၂၆.၁၁.၂၀၁၃

MYANMA ECONOMIC HOLDINGS LIMITED

မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်

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Yangon,
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Reference No. ၄/၄/အခရ/ပိုင်(၅၈၁၃၉ / ၂၀၁၃)

Date ၂၀၁၃ ခုနှစ်၊ နိုဝင်ဘာလ(၂၆)ရက်

သို့

တိုင်းဒေသကြီးအစိုးရအဖွဲ့
တနင်္သာရီတိုင်းဒေသကြီး
ထားဝယ်မြို့

အကြောင်းအရာ ။ ။ **မြေပုံရေးကူးခွင့်နှင့်စက်မှုမြေအဖြစ်အသုံးချခွင့်လျှောက်ထားတင်ပြခြင်း**

၁။ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်၊ ထူးကုမ္ပဏီများအုပ်စုနှင့် တရုတ်ပြည်သူ့သမ္မတနိုင်ငံရှိ GDZR Co. တို့ပူးပေါင်း၍ တနင်္သာရီတိုင်းဒေသကြီး၊ ထားဝယ်ခရိုင်၊ လောင်းလုံးမြို့၏တောင်ဘက်(၃)မိုင်ခန့်အကွာရှိ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်ပိုင်ဆိုင်သောဆီအုန်းခြံများနှင့် ၎င်းနေရာတစ်ဝိုက်တွင် (၁)နှစ်လျှင်ရေနံစိမ်းတန်ချိန်(၅)သန်းချက်လုပ်နိုင်သည့် [illegible]စက်ရုံစီမံကိန်းတည်ဆောက်ရန် ဆောင်ရွက်လျက်ရှိပါသည်။

စက်ရုံတည်ဆောက်ရန်အတွက် လိုအပ်လျက်ရှိသည့်မြေဧရိယာကို သုံးစွဲနိုင်ရန်အတွက် ပုဂ္ဂလိကပိုင်ပြုလုပ်ရေး [illegible] စက်မှုဝန်ကြီးဌာနတို့၏ခွင့်ပြုချက်ဖြင့် အောက်ပါအကျယ်အဝန်းရှိသောဆီအုန်းစက်ရုံနှင့် ဆီအုန်းခြံ(၉)ခြံကို ငွေ [illegible] ၂၅၄၆ သန်းဖြင့် မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်မှဝယ်ယူခဲ့ပြီး ၂၃-၃-၂၀၁၂ ရက်နေ့တွင် လွှဲပြောင်းလက်ခံ[illegible]ပါသည် -

(က)	အမှတ်(၁)ဆီအုန်းခြံ (လောင်းလုံခြံ)	- ၁၇၃. ၀၇	ဧက
	(၁၇၃. ၀၇ ဧကအနက် စက်ရုံမြေ ၂၄. ၇၇ ဧက လန-၃၉ ရရှိပြီး)		
(ခ)	အမှတ်(၂)ဆီအုန်းခြံ (ပိုးဇာပင်ခြံ)	- ၂၂၆. ၀၀	ဧက
(ဂ)	အမှတ်(၃)ဆီအုန်းခြံ (ညင်းမော်ခြံ)	- ၁၃၀. ၀၀	ဧက
(ဃ)	အမှတ်(၄)ဆီအုန်းခြံ (ရေပြတ်ချောင်းခြံ)	- ၁၂၀. ၀၀	ဧက
(င)	အမှတ်(၅)ဆီအုန်းခြံ (လေးသွန်းခံခြံ)	- ၂၈၃. ၀၀	ဧက
(စ)	အမှတ်(၆)ဆီအုန်းခြံ (ဂေါ့အင်းခြံ)	- ၁၈၃. ၀၀	ဧက
(ဆ)	အမှတ်(၇)ဆီအုန်းခြံ (အနောက်ပြင်ခြံ)	- ၇၇. ၀၀	ဧက
(ဇ)	အမှတ်(၈)ဆီအုန်းခြံ (သရက်ပင်ကြီးခြံ)	- ၁၃၄. ၀၀	ဧက
(ဈ)	အမှတ်(၉)ဆီအုန်းခြံ (ပြင်းထိန်ခြံ)	- ၃၁၀. ၀၇	ဧက
	စုစုပေါင်း	၁၆၃၆. ၁၄	ဧက

၃။ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်အနေဖြင့် ရေနံချက်စက်ရုံတည်ဆောက်ရေးစီမံကိန်းအား လုပ်ကိုင်ခွင့်ပြုချက်ရရှိနိုင်ရန် မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်သို့ ၁/၂၀၁၄ တွင် တင်ပြမည်ဖြစ်ပါသည်။ ဤသို့တင်ပြရာ၌ ဝယ်ယူထားသောဆီအုန်းခြံ ၁၆၃၆. ၁၄ ဧကတွင် ဆီအုန်းစက်ရုံမြေ ၂၄. ၇၇ ဧကမှာ လန-၃၉ ရရှိပြီးဖြစ်၍ ကျန်ရှိသည့် ၁၆၁၁. ၃၇ ဧကအနက် စက်ရုံတည်ဆောက်ရေးလုပ်ငန်း၏ ပထမအဆင့်အနေဖြင့် လိုအပ်သည့်မြေဧရိယာ ၃၃၃ ဧကကို လယ်ယာမြေအားအခြားနည်းဖြင့် အသုံးပြုခွင့်လျှောက်ထားသွားလိုပါသည်။

၄။ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်၏ ဆီအုန်းခြံ(၉)ခြံအနက် ခြံအမှတ်(၂)မှာ ပြောင်းရွှေ့ပေးရမည့်ဒေသခံများအတွက်လျာထားသတ်မှတ်ထားခြင်း၊ ခြံအမှတ်(၇)(၈)(၉)တို့မှာ လက်ရှိအခြေအနေတွင် စက်ရုံစီမံကိန်းအတွက် သုံးစွဲရန်မရှိခြင်းတို့ကြောင့် ယခုလျှောက်ထားမှုတွင် ခြံအမှတ် (၂)နှင့်(၇)(၈)(၉)တို့ကို လျှောက်ထားခြင်းမပြုပါ။

၅။ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်နှင့်ပူးပေါင်းဆောင်ရွက်သည့်ကုမ္ပဏီတို့သည် စက်ရုံစီမံကိန်းတည်ဆောက်ရန်အတွက် နိုင်ငံခြားငွေနှင့်မြန်မာငွေနှစ်ရပ်လုံး အလုံအလောက်ရှိသည့်အပြင် ပစ္စည်းအင်အား၊ ယာဉ်ယန္တရားအင်အားနှင့်ကျွမ်းကျင်သူလုပ်သားများ ပြည့်စုံစွာထားရှိပြီးဖြစ်ပါကြောင်းနှင့် မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ ခွင့်ပြုချက်ရရှိပါက(၃)နှစ် အတွင်းအပြီးတည်ဆောက်မည်ဖြစ်ပါသည်။ ၎င်းအပြင် မြေဧရိယာတစ်ခုချင်းအလိုက် ဆောင်ရွက်မည့်တည်ဆောက်ရေးလုပ်ငန်းအစီအစဉ်ကိုလည်း ပူးတွဲ၍တင်ပြထားပါသည်။

၆။ သက်ဆိုင်ရာဝန်ကြီးဌာနမှ ချမှတ်ထားသောလယ်ယာမြေဥပဒေ၊ နည်းဥပဒေများအရ လယ်ယာမြေအား အခြားနည်းလမ်းဖြင့် အသုံးပြုခွင့်ရရှိပြီး(၆)လအတွင်း သတ်မှတ်နည်းလမ်းအတိုင်း စတင်အသုံးမပြုခြင်း၊ သတ်မှတ်ကာလအတွင်းလုပ်ငန်းပြီးစီးမှုမရှိခြင်းတို့ဖြစ်ပေါ်ပါက ရရှိပြီးခွင့်ပြုမိန့်ပယ်ဖျက်ရန်အတွက် ကွင်းဆင်းရန်တာဝန်ပေးအပ်ထားသည့်အဖွဲ့၏ဆုံးဖြတ်ချက်နှင့် တိုင်းဒေသကြီးအစိုးရအဖွဲ့တို့၏ဆုံးဖြတ်ချက်အား တိကျစွာလိုက်နာမည်ဖြစ်ကြောင်း တင်ပြအပ်ပါသည်။

၇။ သို့ဖြစ်ပါ၍ ပူးတွဲမြေပုံပါ ဆီအုန်းခြံအကွက်အမှတ်(၁) လောင်းလုံးခြံ ၃၃ ဧက၊ အကွက်အမှတ်(၄) ရေပြတ်ချောင်းခြံ ၆၀ ဧက၊ အကွက်အမှတ်(၅) လေးသွန်းခံခြံ ၂၀၀ ဧက၊ အကွက်အမှတ်(၆) ဂေါ်အင်းခြံ ၄၀ ဧက စုစုပေါင်း ၃၃၃ ဧကကို မြေပုံရေးကူးဆောင်ရွက်ခွင့်နှင့် စက်မှုမြေအဖြစ် အသုံးပြုခွင့်တို့အတွက် ခွင့်ပြုပေးနိုင်ပါရန် အောက်ပါစာရွက်စာတမ်းများနှင့်တကွ လျှောက်ထားအပ်ပါသည် -

(က) လုပ်ငန်းလျာထားအခြေပြဇယား (၁)စောင်

(ခ) ခြံအမှတ်(၁) ၃၃ ဧကအတွက် Google မြေပုံ (၁)စောင်

(ဂ) ခြံအမှတ်(၄)(၅)(၆) ဧက ၃၀၀ အတွက် Google မြေပုံ (၁)စောင်

မန်နေဂျင်းဒါရိုက်တာ(ကိုယ်စား)
သန်းထွန်း၊ ဌာနကြီးမှူး
အထွေထွေအုပ်ချုပ်ရေးရာဌာနကြီး

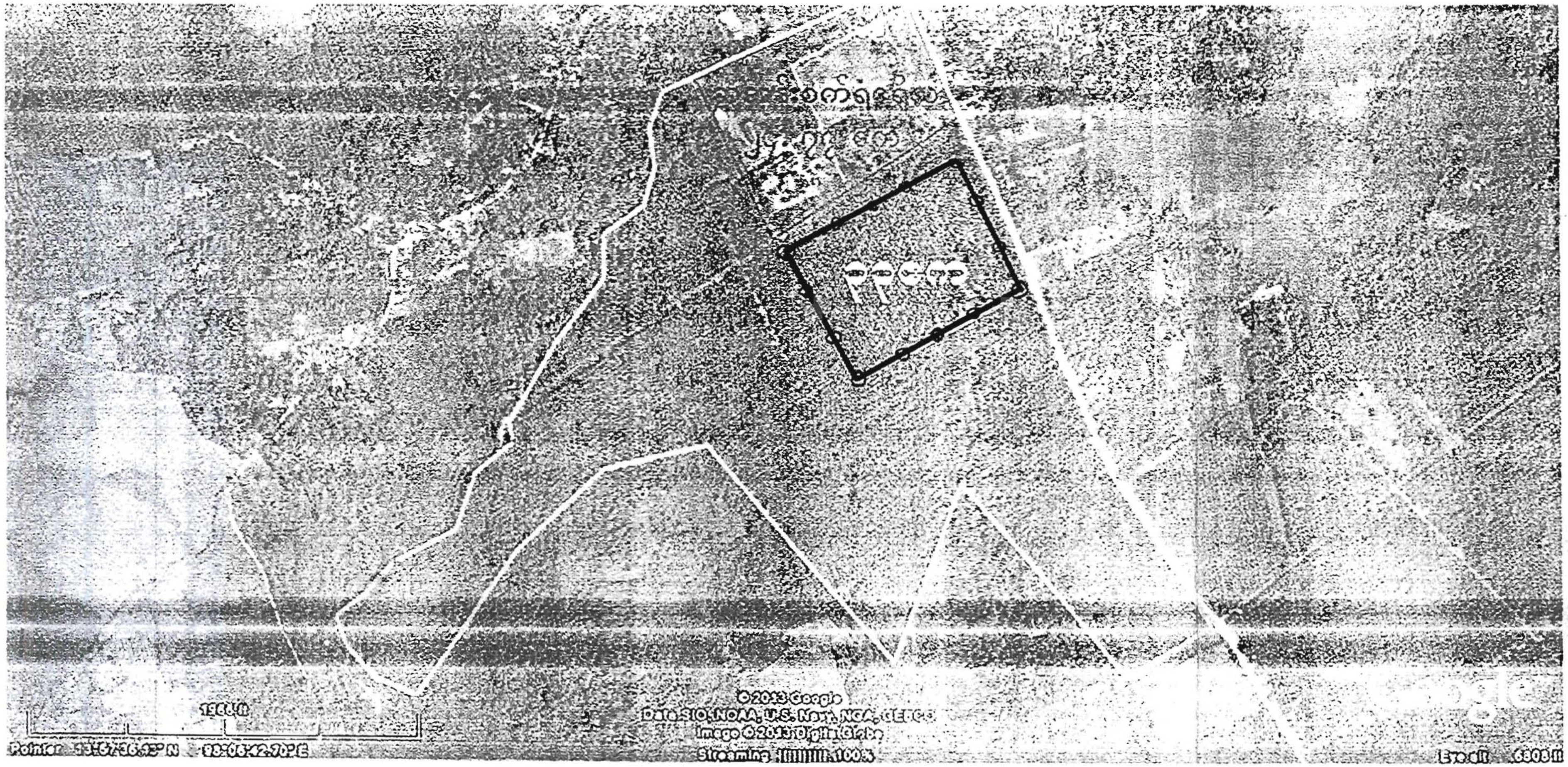
မိတ္တူကို

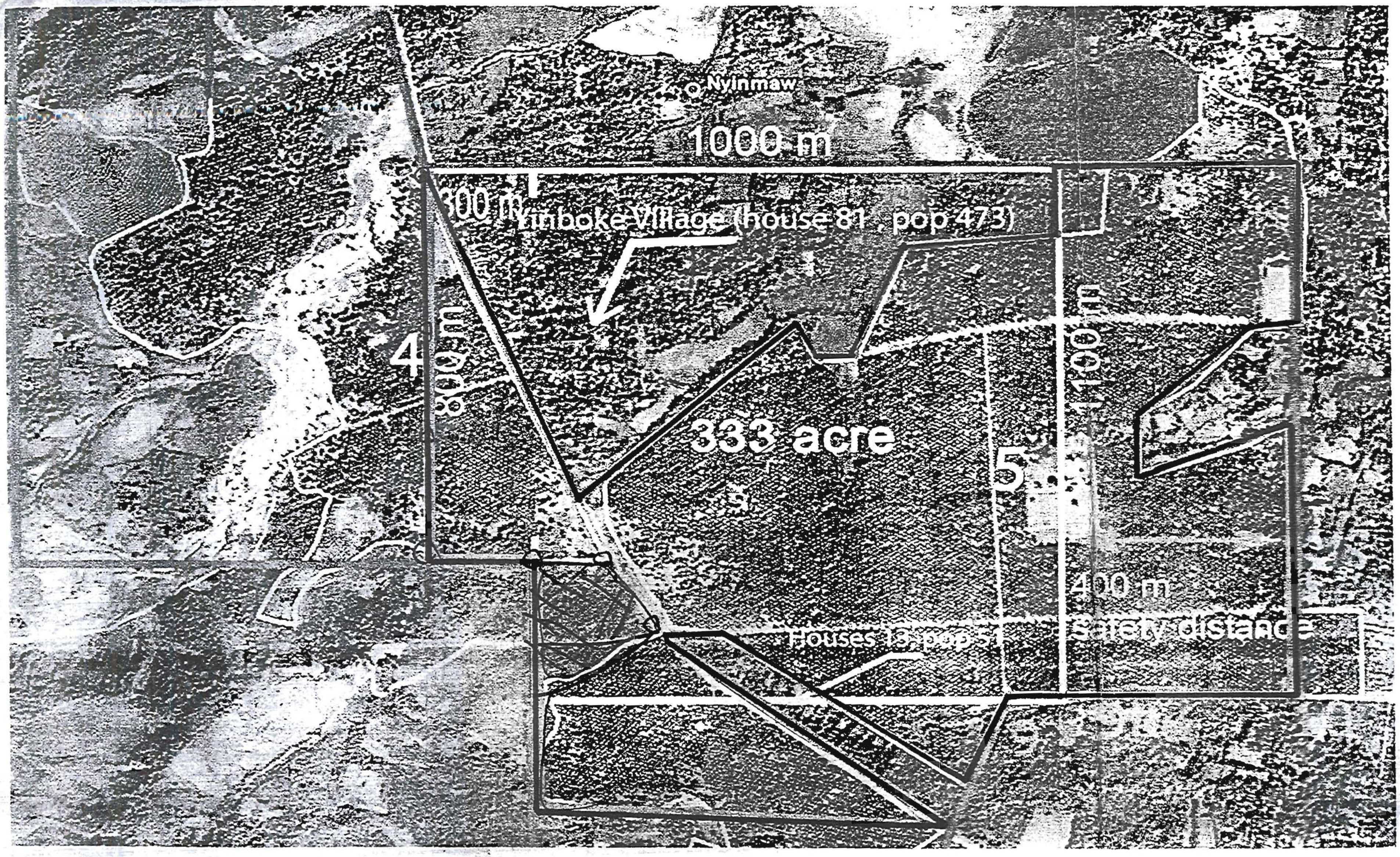
- တိုင်းအုပ်ချုပ်ရေးမှူး၊ တိုင်းဒေသကြီးအထွေထွေအုပ်ချုပ်ရေးဦးစီးဌာန၊ ထားဝယ်မြို့
- တိုင်းမြေစာရင်းဦးစီးမှူး၊ တိုင်းဒေသကြီးမြေစာရင်းဦးစီးဌာန၊ ထားဝယ်မြို့
- ရုံးလက်ခံ/မျှော

လောင်းလုံးမြို့ရှိ ဆီအုန်းခြံများတွင် တည်ဆောက်မည့်လုပ်ငန်းအတွက် လုပ်ငန်းလျာထားအခြေပြဇယား

စဉ်	ခြံအမည်	တည်နေရာနှင့် ကွင်းအမှတ်	မူလဧရိယာ (ဧက)	အသုံးပြုဧရိယာ (ဧက)	အသုံးပြုမည့်လုပ်ငန်း	လုပ်ငန်းရည်မှန်းချက်			မှတ်ချက်
						ပထမ (၆)လ	ဒုတိယ (၆)လ	တတိယ (၆)လ	
၁။	လောင်းလုံးခြံ	ယ ရပ်ကွက် (၂၁၄)	၁၇၃. ၀၇	၃၃	ဝန်ထမ်းအိမ်ရာ	မြေကြီးလုပ်ငန်း ၅၀%	မြေကြီးလုပ်ငန်း ၅၀%	အဆောက်အဦလုပ်ငန်း ၅၀%	
၂။	ရေပြတ်ချောင်းခြံ	ယင်းဘုတ်ကျေးရွာ (၅၁၀)	၁၂၀	၆၀	စက်ရုံနေရာ	။	။	။	
၃။	လေးသွန်းခံခြံ	လေးသွန်းခံရွာ (၂၂၉)	၂၈၃	၂၀၀	စက်ရုံနေရာ.	။	။	။	
၄။	ဂေါ့အင်းခြံ	ဂေါ့အင်းရွာ (၅၁၉)	၁၈၃	၄၀	စက်ရုံနေရာ	။	။	။	

ခြံအမှတ်(၁)





မျဉ်းနီအတွင်းရှိ အကွက်အမှတ်(၄) ၆၀ဧက၊ အကွက်အမှတ်(၅) ၂၀၀ဧက၊ အကွက်အမှတ်(၆) ၄၀ဧက နှင့် အကွက်အမှတ်(၁)ရှိ ၃၃ဧက စုစုပေါင်း ၃၃၃ ဧကကို
စက်မှုမြေအဖြစ် ပထမဦးစွာ လျှောက်ထားသွားပါမည်။

တနင်္သာရီတိုင်းဒေသကြီး အစိုးရအဖွဲ့ ရုံး
စာအမှတ်……………
ရက်စွဲ……………
ထားဝယ်မြို့

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်
တိုင်းဒေသကြီးအစိုးရအဖွဲ့
တနင်္သာရီတိုင်းဒေသကြီး

စာအမှတ်၊ ဖေ၁/ ၇၁၁ / ၇-၁၁ /အဖရ(တနင်္သာရီ)
ရက် စွဲ ၊ ၂၀၁၄ ခုနှစ်၊ ဒီဇင်ဘာလ ၂၄ ရက်

သို့
တိုင်းဒေသကြီးဦးစီးမှူး
တနင်္သာရီတိုင်းဒေသကြီးမြေစာရင်းဦးစီးဌာန
ထားဝယ်မြို့

အကြောင်းအရာ။ မြေစာရင်းပုံစံ (၁၀၅)ရေးကူးခွင့်ပြုပါရန် တင်ပြလာခြင်းကိစ္စ

ရည် ညွှန်း ချက်။ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်၏ (၂၆.၁၂.၂၀၁၃) ရက်စွဲပါစာအမှတ်၊ ၄/ ၄/ အခရ/ပိုင် (၅၀၁၉/ ၂၀၁၃)

၁။ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်၊ ထူးကုမ္ပဏီအုပ်စုနှင့် တရုတ်ပြည်သူ့သမ္မတနိုင်ငံတော်ရှိ GDZR Co. တို့ပူးပေါင်း၍ တနင်္သာရီတိုင်းဒေသကြီး၊ ထားဝယ်ခရိုင်၊ လောင်းလုံးမြို့နယ်၊ တောင်ဘက် (၃)မိုင်ခန့်အကွာရှိ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက် ပိုင်ဆိုင်သော ဆီအုန်းခြံများနှင့် ၎င်းနေရာတဝိုက်တွင် (၁)နှစ်လျှင် ရေနံစိမ်းတန်ချိန် (၅)သန်းချက်လုပ်နိုင်သည့် ရေနံချက်စက်ရုံ စီမံကိန်းတည်ဆောက်ရန် ဆောင်ရွက်လျက်ရှိကြောင်း၊ စက်ရုံတည်ဆောက်ရန် လိုအပ်လျက်ရှိသည့် မြေဧရိယာကိုသုံးစွဲရန်အတွက် ပုဂ္ဂလိကပိုင်ပြုလုပ်ရေးကော်မရှင်၊ စက်မှုဝန်ကြီးဌာနတို့၏ ခွင့်ပြုချက်ဖြင့် (၁၆၃၆.၁၄)ဧကရှိသည့် ဆီအုန်းခြံ (၉)ခြံကို ငွေကျပ် (၂၆၀၃.၂၅၄၆)သန်းဖြင့် မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်မှ ဝယ်ယူခဲ့ကြောင်း၊ အဆိုပါ ဆီအုန်းခြံ (၁၆၃၆.၁၄)ဧကအနက်မှ ဆီအုန်းခြံ အကွက်အမှတ်(၁) လောင်းလုံးမြို့ (၃၃)ဧက၊ ဆီအုန်းခြံအကွက်အမှတ်(၄) ရေပြတ်ချောင်းခြံ (၆၀)ဧက၊ အကွက်အမှတ်(၅) လေးသွန်းခံခြံ (၂၀၀)ဧက၊ အကွက်အမှတ်(၆) ဂေါ်အင်းခြံ (၄၀)ဧက၊ စုစုပေါင်း (၃၃၃)ဧကအား မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်မှ ရေနံချက်စက်ရုံ တည်ဆောက်ရေးစီမံကိန်း လုပ်ကိုင်ခွင့်ရရှိနိုင်ရန်အတွက် မြေပုံရေးကူးခွင့်ရရှိရန်နှင့် စက်ရုံမြေအဖြစ် အသုံးပြုခွင့် ဆောင်ရွက်ပေးနိုင်ပါရန် ရည်ညွှန်းပါစာဖြင့် တင်ပြလာပါသည်။

၂။ အဆိုပါ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်မှ ရေနံချက်စက်ရုံတည်ဆောက်ရေးစီမံကိန်းအတွက် လယ်ယာမြေအခြားနည်းအသုံးပြုခွင့်လျှောက်ထားနိုင်ရေး မြေစာရင်းပုံစံ (၁၀၅) ရေးကူးခွင့်ပြုပါရန် တင်ပြလာခြင်းနှင့်စပ်လျဉ်း၍ မြေစာရင်းပုံစံ (၁၀၅)ရေးကူးခွင့်ပြုကြောင်း အကြောင်းကြားပါသည်။

ဝန်ကြီးချုပ် (ကိုယ်စား)
(ကျော်စွာထွန်း၊ ညွှန်ကြားရေးမှူး)

မိတ္တူကို
/မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်
လက်ခံစာတွဲ/ မျှောစာတွဲ

လျှို့ဝှက်

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်
နိုင်ငံတော်သမ္မတဦးစီးရုံး

စာအမှတ်၊ ၁ (၄၆) / ၁ / သမ္မတရုံး
ရက်စွဲ၊ ၂၀၁၁ ခုနှစ်၊ နိုဝင်ဘာလ ၂၂ ရက်

ကာကွယ်ရေးဦးစီးချုပ်ရုံး(ကြည်း)
အမျိုးသားစီမံကိန်းနှင့် စီးပွားရေးဖွံ့ဖြိုးတိုးတက်မှုဝန်ကြီးဌာန
အမှတ် (၁) စက်မှုဝန်ကြီးဌာန

အကြောင်းအရာ။ **တနင်္သာရီတိုင်းဒေသကြီး လောင်းလုံမြို့နယ်အတွင်းရှိ ဆီအုန်းခြံအားဝယ်ယူခွင့် တင်ပြလာခြင်းကိစ္စ**

ရည်ညွှန်းချက်။ (၁) အမျိုးသားစီမံကိန်းနှင့် စီးပွားရေးဖွံ့ဖြိုးတိုးတက်မှုဝန်ကြီးဌာန၏ ၁၉-၉-၂၀၁၁ ရက်စွဲပါစာအမှတ်၊ အမစ-၁/၃/၁(၂၅၀၅/၂၀၁၁)
(၂) ကာကွယ်ရေးဦးစီးချုပ်ရုံး(ကြည်း)၏ ၂၅-၁၀-၂၀၁၁ ရက်စွဲပါစာအမှတ်၊ ၂/ ၃၀၅/၃(ခ)၃၆/ဦး ၁
(၃) အမှတ်(၁)စက်မှုဝန်ကြီးဌာန၏ ၂၁-၁၁-၂၀၁၁ ရက်စွဲပါစာအမှတ်၊ ၃၁/၁စ(၁)/ ၂၀၁၁(၉၈၈၉)

၁။ ရည်ညွှန်းစာများဖြင့် အမှတ် (၁) စက်မှုဝန်ကြီးဌာန မြန်မာ့ဆေးဝါးနှင့် စားသောက်ကုန်လုပ်ငန်းအောက်ရှိ တနင်္သာရီတိုင်းဒေသကြီး ထားဝယ်ခရိုင် လောင်းလုံမြို့နယ်အတွင်းရှိ ဆီအုန်းစက်ရုံ မြေ (၂၄.၇၇) ဧကနှင့် ဆီအုန်းခြံမြေ (၁၆၁၁.၃၇) ဧက၊ စုစုပေါင်း (၁၆၃၆.၁၄) ဧကအား ပြည်ထောင်စုမြန်မာနိုင်ငံစီးပွားရေးဦးပိုင်လီမိတက်၊ ထူးကုမ္ပဏီနှင့် Guang Dong Zhen Rong Co.,Ltd(GDZR) တို့ အကျိုးတူပူးပေါင်းဆောင်ရွက်မည့် ရေနံချက်စက်ရုံ တည်ဆောက်ရေးစီမံကိန်းအတွက် စက်ရုံအဆောက်အဦ၊ ရုံးသုံးစက်/ပစ္စည်းများ၊ ဆီအုန်းခြံအပင်နှင့် မြေတန်ဖိုး အပါအဝင် သက်ဆိုင်ရာဝန်ကြီးဌာနက အဆိုပြုတန်ဖိုးကျပ်သန်း (၂၆၀၃.၂၅၄၆) ဖြင့် ဝယ်ယူခွင့်ပြုပါရန် နိုင်ငံတော်သမ္မတထံ တင်ပြလာပါသည်။

၂။ တင်ပြသည့်ကိစ္စနှင့်ပတ်သက်၍ အမှတ် (၁) စက်မှုဝန်ကြီးဌာနကလည်း ရောင်းချပေးနိုင်ကြောင်း သဘောထားပြန်ကြားလာပါသည်။

၃။ တင်ပြချက်အပေါ် နိုင်ငံတော်သမ္မတက ခွင့်ပြုပါသဖြင့် လုပ်ထုံးလုပ်နည်းနှင့်အညီ ဆက်လက်ဆောင်ရွက်နိုင်ပါရန် ပြန်ကြားအပ်ပါသည်။

၂၂.၁၁.၂၀၁၁
ရဲဝင်း
ဒုတိယညွှန်ကြားရေးမှူးချုပ်

မိတ္တူ။
နိုင်ငံတော်သမ္မတရုံး
ပြည်ထောင်စုအစိုးရအဖွဲ့ရုံး
နိုင်ငံပိုင်ပစ္စည်းများအား ပုဂ္ဂလိကပိုင်ပြောင်းလဲရေးကော်မရှင်
ရုံးလက်ခံ

လျှို့ဝှက်

လျှို့ဝှက်

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်

ကာကွယ်ရေးဦးစီးချုပ်ရုံး(ကြည်း)

စာအမှတ်၊ ၂ /၃၀၅ / ၃ (ခ) ၃၆ / ဦး ၁

ရက် စွဲ၊ ၂၀၁၁ခုနှစ် အောက်တိုဘာလ၂၅ ရက်

တိကျမှန်ကန်

သို့

နိုင်ငံတော်သမ္မတဦးစီးရုံး

အကြောင်းအရာ။ တနင်္သာရီတိုင်းဒေသကြီး၊ လောင်းလုံမြို့နယ်အတွင်းရှိ ဆီအုန်းခြံအား ဝယ်ယူခွင့်ပြုပါရန် တင်ပြခြင်း

၁။ အမှတ်(၁)စက်မှုဝန်ကြီးဌာန၊ မြန်မာ့ဆေးဝါးနှင့်စားသောက်ကုန်လုပ်ငန်းအောက်ရှိ တနင်္သာရီတိုင်းဒေသကြီး၊ ထားဝယ်ခရိုင်၊ လောင်းလုံမြို့နယ်အတွင်းရှိ ဆီအုန်းစက်ရုံ ၂၄.၇၇ ဧကနှင့် ဆီအုန်းခြံ ၁၆၁၁.၃၇ ဧက၊ စုစုပေါင်း ၁၆၃၆.၁၄ ဧကအား ပုဂ္ဂလိကသို့ လွှဲပြောင်းရောင်းချနိုင်ရေးအတွက် နိုင်ငံပိုင်ပစ္စည်းများအား ပုဂ္ဂလိကပိုင်ပြုလုပ်ရေးကော်မရှင်သို့ အပ်နှံထားပြီးဖြစ်ကြောင်း သိရှိရပါသည်။

၂။ အဆိုပါ မြေနေရာတွင် ပြည်ထောင်စုမြန်မာနိုင်ငံစီးပွားရေးဦးပိုင်လီမိတက်မှ တပ်မတော်နှင့် တပ်မတော်သားများ အကျိုးဖြစ်စေရန် ထူးကုမ္ပဏီနှင့် Guang Dong Zhen Rong Co., Ltd (GDZR) တို့ အကျိုးတူ ပူးပေါင်းဆောင်ရွက်မည့် တစ်နှစ်လျှင် ရေနံစိမ်းတန်ချိန် ၅ သန်း ချက်လုပ်နိုင်သော ရေနံချက်စက်ရုံတည်ဆောက်ရေး စီမံကိန်းဆောက်လုပ်လိုပါသဖြင့် စက်ရုံ အဆောက်အဦ၊ ရုံးသုံးစက်/ပရိဘောဂ ဆီအုန်းခြံအဝင်နှင့် မြေနေရာတန်ဖိုး အပါအဝင် သက်ဆိုင်ရာဝန်ကြီးဌာနမှ အဆိုပြုထားသော ကုန်သင့်ငွေ စုစုပေါင်း ၂၆၀၃.၂၅၄၆ ကျပ်သန်းဖြင့် ဝယ်ယူခွင့်ပြုနိုင်ပါရန် တင်ပြအပ်ပါသည်။

ကာကွယ်ရေးဦးစီးချုပ်(ကြည်း)

လျှို့ဝှက်

လျှို့ဝှက်

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်

နိုင်ငံတော်သမ္မတဦးစီးရုံး

စာအမှတ်၊ ၂၃ (၉၂) / ၁ / သမ္မတရုံး
ရက်စွဲ၊ ၂၀၁၁ ခုနှစ်၊ နိုဝင်ဘာလ ၁၄ ရက်

သို့

အမှတ်(၁)စက်မှုဝန်ကြီးဌာန

အကြောင်းအရာ။ **သဘောထားပြန်ကြားပေးရေး**

ရည်ညွှန်းချက်။ (၁) အမျိုးသားစီမံကိန်းနှင့်စီးပွားရေးဖွံ့ဖြိုးတိုးတက်မှုဝန်ကြီးဌာန၏ ၁၉-၉-၂၀၁၁ ရက်စွဲပါစာအမှတ်၊ အမစ-၁/၃/၁(၂၅၀၅/၂၀၁၁)

(၂) ကာကွယ်ရေးဦးစီးချုပ်ရုံး(ကြည်း)၏ ၂၅-၁၀-၂၀၁၁ ရက်စွဲပါစာအမှတ်၊ ၂/၁၀၅/၃(ခ)၃၆/ဦး ၁

၁။ ရည်ညွှန်းစာများဖြင့် အမှတ်(၁)စက်မှုဝန်ကြီးဌာန မြန်မာ့ဆေးဝါးနှင့်စားသောက်ကုန်လုပ်ငန်းအောက်ရှိ တနင်္သာရီတိုင်းဒေသကြီး ထားဝယ်ခရိုင် လောင်းလုံမြို့နယ်အတွင်းရှိ ဆီအုန်းစက်ရုံမြေ(၄၄.၇၇)ဧကနှင့် ဆီအုန်းခြံမြေ(၁၆၁၁.၃၇)ဧက၊ စုစုပေါင်း မြေနေရာ(၁၆၃၆.၁၄)ဧကအား ပြည်ထောင်စုမြန်မာနိုင်ငံစီးပွားရေးဦးပိုင်လီမိတက်၊ ထူးကုမ္ပဏီနှင့် Guang Dong Zhen Rong Co.,Ltd(GDZR)တို့ အကျိုးတူပူးပေါင်း ဆောင်ရွက်မည့် တစ်နှစ်လျှင် ရေနံစိမ်းတန်ချိန် (၅)သန်း ချက်လုပ်နိုင်သည့် ရေနံချက်စက်ရုံ တည်ဆောက်ရေးစီမံကိန်း ဆောင်ရွက်လိုပါသဖြင့် စက်ရုံ အဆောက်အဦ၊ ရုံးသုံးစက်/ပစ္စည်းများ၊ ဆီအုန်းခြံအပင်နှင့် မြေနေရာတန်ဖိုး အပါအဝင် သက်ဆိုင်ရာဝန်ကြီးဌာနက အဆိုပြုတန်ဖိုး ကျပ်သန်း(၂၆၀၃.၂၅၄၆)ဖြင့် ဝယ်ယူခွင့်ပြုပါရန် နိုင်ငံတော်သမ္မတထံ တင်ပြလာပါသည်။

၂။ တင်ပြချက်အပေါ် နိုင်ငံတော်သမ္မတက " **စက်မှု(၁) ဝန်ကြီး၏ သဘောထားမေးရန်** " လမ်းညွှန်ပါသဖြင့် ပြန်လည်တင်ပြနိုင်ပါရန် အကြောင်းကြားအပ်ပါသည်။

ပူးတွဲ။ (၁) ရည်ညွှန်း(၁)ပါ တင်ပြစာမိတ္တူ(၂)ရွက်။
(၂) ရည်ညွှန်း(၂)ပါ တင်ပြစာမိတ္တူ(၁)ရွက်။

၁၄/၁၁/၁၁

ရဲမင်း

ဒုတိယညွှန်ကြားရေးမှူးချုပ်

မိတ္တူ

ကာကွယ်ရေးဦးစီးချုပ်ရုံး(ကြည်း)
အမျိုးသားစီမံကိန်းနှင့်စီးပွားရေးဖွံ့ဖြိုးတိုးတက်မှုဝန်ကြီးဌာန
ရုံးလက်ခံ

လျှို့ဝှက်

လျှို့ဝှက်

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ

အမှတ် (၁) စက်မှုဝန်ကြီးဌာန

စာအမှတ်၊ ၃၂/ ၁စ(၁)/ ၂၀၁၁(၉၈၈၉)

ရက်စွဲ၊ ၂၀၁၁ ခုနှစ် နိုဝင်ဘာလ ၂၁ ရက်

သို့

နိုင်ငံတော်သမ္မတဦးစီးရုံး

အကြောင်းအရာ။ သဘောထားမှတ်ချက်ပြန်ကြားတင်ပြခြင်း

ရည်ညွှန်း ချက်။ နိုင်ငံတော်သမ္မတရုံး၏ ၂၀၁၁ ခုနှစ် နိုဝင်ဘာလ ၁၄ ရက်နေ့စွဲပါ စာအမှတ်၊ ၂၃(၃၂)/၁/သမ္မတရုံး

အမှတ်(၁)စက်မှုဝန်ကြီးဌာန၊ မြန်မာ့ဆေးဝါးနှင့်စားသောက်ကုန်လုပ်ငန်း လက်အောက်ရှိ ...နယ်ဘီလူးကျွန်တိုင်းဒေသကြီး၊ ထားဝယ်ခရိုင် လောင်းလုံမြို့နယ်အတွင်းရှိ ဆီအုန်းစက်ရုံ မြေ(၂၄.၇၇) ...ကနှင့် ဆီအုန်းခြံမြေ(၁၆၁၁.၃၇)ဧက၊ စုစုပေါင်းမြေဧက(၁၆၃၆.၁၄)ဧကအား ပြည်ထောင်စု ...န်မာနိုင်ငံစီးပွားရေးဦးပိုင်လီမိတက်၊ ထူးကုမ္ပဏီနှင့် Guang Dong Zhen Rong Co., Ltd (GDZR) တို့မှ အကျိုးတူပူးပေါင်း၍ ရေနံချက်စက်ရုံတည်ဆောက်ရေးစီမံကိန်းအတွက် သက်ဆိုင်ရာ ...န်ကြီးဌာနမှ အဆိုပြုတန်ဘိုး ကျပ်သန်း(၂၆၀၃.၂၅၄၆)ဖြင့် ဝယ်ယူလိုမှုအပေါ် သဘောထားမှတ်ချက် ...န်ကြားပေးပါရန် နိုင်ငံတော်သမ္မတဦးစီးရုံးမှ အထက်ရည်ညွှန်းစာဖြင့် အကြောင်းကြားလာပါ သည်။

အဆိုပါ လောင်းလုံဆီအုန်းစက်ရုံ မြေ(၂၄.၇၇)ဧကနှင့် ဆီအုန်းခြံမြေ(၁၆၁၁.၃၇)ဧကအား ...ဝန်ကြီးဌာနမှ အဆိုပြုတန်ဘိုး ကျပ်သန်း(၂၆၀၃.၂၅၄၆)ဖြင့် ပြည်ထောင်စုမြန်မာနိုင်ငံစီးပွားရေး ...ပိုင်လီမိတက်၊ ထူးကုမ္ပဏီနှင့် Guang Dong Zhen Rong Co., Ltd (GDZR) သို့ ရောင်းချ ...င့်ပါကြောင်း ပြန်ကြားတင်ပြအပ်ပါသည်။

(စိုးသိန်း)

ပြည်ထောင်စုဝန်ကြီး

မိတ္တူကို-

၁ အမျိုးသားစီမံကိန်းနှင့်စီးပွားရေးဖွံ့ဖြိုးတိုးတက်မှုဝန်ကြီးဌာန

နိုင်ငံပိုင်ပစ္စည်းများအားပုဂ္ဂလိကပိုင်ပြုလုပ်ရေးကော်မရှင်

လျှို့ဝှက်

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MYANMA ECONOMIC HOLDINGS LIMITED

မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်

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Reference No. ၄/၄/အခရ/ပိုင်(၈၇၁/၂၀၁၆)

Date ၂၀၁၆ ခုနှစ်၊ မတ်လ ၁၅ ရက်

သို့

အတွင်းရေးမှူး

မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်

ရန်ကုန်မြို့

အကြောင်းအရာ။ **ရေနံချက်စက်ရုံစီမံကိန်းအတွက် ဆိပ်ခံတံတားမှစက်ရုံအထိ ဖောက်လုပ်မည့်လမ်းအတွက် မြေကိုစွဲရပ်တင်ပြခြင်း**

၁။ စွမ်းအင်ဝန်ကြီးဌာန၊ တရုတ်ပြည်သူ့သမ္မတနိုင်ငံမှ Guangdong Zhenrong Energy Co.,Ltd.၊ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်နှင့် Yangon Engineering Group Co.,Ltd. တို့သည် ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် မြန်မာနိုင်ငံတွင် Longwin Global Petrochemical Co.,Ltd., တည်ထောင်၍ တနင်္သာရီတိုင်းဒေသကြီး၊ ထားဝယ်ခရိုင်၊ လောင်းလုံးမြို့နယ်၏တောင်ဘက် သုံးမိုင်ခန့်အကွာ ယင်းဘုတ်ကျေးရွာအနီးတွင် တစ်နှစ်လျှင်ရေနံစိမ်းမက်ထရစ်တန်ချိန် ၅ သန်း ချက်လုပ်မည့်ရေနံချက်စက်ရုံနှင့် ရေနံတင်/ချဆိပ်ကမ်းတည်ဆောက်၍ ရေနံထွက်ကုန်ပစ္စည်းများတင်ပို့ရောင်းချခြင်း လုပ်ငန်းကို နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဥပဒေနှင့်အညီဆောင်ရွက်လုပ်ကိုင်ရန် ဆွေးနွေးညှိနှိုင်းလျက်ရှိပါသည်။

၂။ ရေနံချက်စက်ရုံစီမံကိန်းအတွက် ရေနံတင်/ချမည့်ဆိပ်ကမ်းမှ စက်ရုံအထိ ပိုက်လိုင်းဆက်သွယ်ရန်နှင့် ယာဉ်များသွားလာနိုင်ရန် အကျယ် ၃၀ မီတာခန့်နှင့် အရှည် ၄. ၂၅ မိုင်ခန့်(၆. ၈ ကီလိုမီတာခန့်)ရှိမည့် လမ်းအတွက်အသုံးပြုရန်မြေ ၁၁၀. ၃၉၇ ဧကခန့် လိုအပ်လျက်ရှိပါသည်။ လမ်းဖောက်လုပ်ရန်အတွက်အသုံးပြုမည့်မြေဧရိယာတွင် မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်ပိုင်ဆိုင်သည့် ဆီအုန်းခြံအမှတ်(၄)နယ်နိမိတ်အဆုံးမှ ၂ ကီလိုမီတာခန့်အထိသည် ဒေသခံများပိုင်ဆိုင်သည့် ဥယျာဉ်ခြံမြေ၊ ၎င်းမှ ၂. ၄ ကီလိုမီတာခန့်အထိသည် ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးနှင့်သစ်တောရေးရာဝန်ကြီးဌာနမှပိုင်ဆိုင်သည့်မြေ(ခန့်မှန်း ၆ ဧကခန့်)၊ ၎င်းမှ ၆. ၈ ကီလိုမီတာခန့်အထိသည် ဒေသခံများပိုင်ဆိုင်သည့် ဥယျာဉ်မြေများဖြစ်ကြပါသည်။ ဆိပ်ကမ်းဧရိယာအတွက်အသုံးပြုမည့်မြေမှာ ၆၂. ၂၉၅ ဧကခန့်ဖြစ်ပါသည်။ ထို့ကြောင့် လမ်းနှင့်ဆိပ်ကမ်းဧရိယာအတွက် အသုံးပြုမည့်မြေမှာ စုစုပေါင်း ၁၇၂. ၆၉၂ ဧကခန့် ဖြစ်ပါသည်။

၃။ လမ်းဖောက်လုပ်ရန်အတွက်အသုံးပြုမည့်မြေဧရိယာများအတွင်း၌ ပါဝင်သည့်ဥယျာဉ်ခြံမြေများအတွက် ကာလပေါက်ဈေးထက်မနည်းသောဈေးနှုန်းဖြင့် လျော်ကြေးငွေပေးချေရန် ကြိုတင်ညှိနှိုင်းခြင်းများဆောင်ရွက်ခဲ့ရာတွင် သဘောတူညီမှုများ ရရှိခဲ့ပြီးဖြစ်ပါသည်။

၄။ သို့ဖြစ်ပါ၍ မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ ခွင့်ပြုမိန့်ရရှိပြီးပါက ဒေသအာဏာပိုင်အဖွဲ့အစည်းများ၊ ဥယျာဉ်ခြံမြေပိုင်ရှင်များနှင့် ညှိနှိုင်းဆောင်ရွက်ပြီး လိုအပ်သည့်မြေများ တိုင်းတာခြင်း၊ ကာလပေါက်ဈေးထက် မနည်းသော ဈေးနှုန်းဖြင့် လျော်ကြေးငွေပေးချေခြင်းများ ဆက်လက်ဆောင်ရွက်သွားမည်ဖြစ်ကြောင်း တင်ပြအပ်ပါသည်။

မန်နေဂျင်းဒါရိုက်တာ(ကိုယ်စား)

ဦးမောင်မောင်အေး၊ ဒါရိုက်တာ

မိတ္တူကို

ရုံးလက်ခံ

၁၅၁၃.

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Date ၂၀၁၆ ခုနှစ်၊ မတ်လ ၁၅ ရက်

သို့

မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်

ရန်ကုန်မြို့

အကြောင်းအရာ။ ရေနံချက်စက်ရုံစီမံကိန်းအတွက် လမ်းလွှဲဖောက်မည့်ကိစ္စရပ် ပြန်လည်တင်ပြခြင်း

ရည် ညွှန်း ချက်။ (၁) စွမ်းအင်ဝန်ကြီးဌာန၏ (၁၈-၂-၂၀၁၆) ရက်စွဲပါစာအမှတ် စီမံ-စာရင်း/၃/ ၀၃(၁၇၁)၂၀၁၆

(၂) မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ (၃-၃-၂၀၁၆) ရက်စွဲပါစာအမှတ် ရက-၅(စ)/ ၀၁၅/၂၀၁၆(၁၁၅)

၁။ စွမ်းအင်ဝန်ကြီးဌာန၊ တရုတ်ပြည်သူ့သမ္မတနိုင်ငံမှ Guangdong Zhenrong Energy Co.,Ltd.၊ မြန်မာ့စီးပွားရေး ဦးပိုင်လီမိတက်နှင့် Yangon Engineering Group Co.,Ltd., တို့သည် ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် မြန်မာနိုင်ငံတွင် Longwin Global Petrochemical Co.,Ltd., တည်ထောင်၍ တနင်္သာရီတိုင်းဒေသကြီး၊ ထားဝယ်ခရိုင်၊ လောင်းလုံးမြို့နယ် တွင် တစ်နှစ်လျှင်မက်ထရစ်တန်ချိန် ၅ သန်းခန့်ထွက်ရှိမည့် ရေနံချက်စက်ရုံနှင့် ရေနံတင်/ချဆိပ်ကမ်းတည်ဆောက်၍ ရေနံထွက်ပစ္စည်းများ တင်ပို့ရောင်းချခြင်းလုပ်ငန်းကို နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဥပဒေနှင့်အညီ ဆောင်ရွက်လုပ်ကိုင်ခွင့်ပြုပါရန် စွမ်းအင်ဝန်ကြီးဌာနမှတစ်ဆင့် မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်သို့ ရည်ညွှန်း(၁)ပါစာဖြင့် အဆိုပြုတင်ပြခဲ့ပါသည်။

၂။ စီမံကိန်းတွင်ပါဝင်မည့် ရေနံချက်စက်ရုံ၏ ပင်မအဆောက်အဦများ၊ Waste Water Treatment Plant, Warehouse များနှင့် Tank Farm တို့ကို ဧရိယာတစ်ခုတည်းအတွင်းပေါ်တွင် စုစည်းပြီးတည်ဆောက်နိုင်ရန်အတွက် Design ရေးဆွဲခဲ့ပါသည်။ ထိုကဲ့သို့ Design ရေးဆွဲခဲ့မှုအရ လောင်းလုံးမြို့မှ ကျောက်နီမော်သို့ ဆက်သွယ်ထားသည့်ကားလမ်း၏ ၁. ၃ မိုင်ခန့် ရှည်လျားသည့်လမ်းအပိုင်းသည် စက်ရုံဧရိယာအတွင်းတွင် ကျရောက်မည်ဖြစ်ပါသဖြင့် စက်ရုံဧရိယာ၏ အနားသတ်လိုင်း တစ်လျှောက်တွင် လမ်းလွှဲဖောက်လုပ်ရန်အတွက်လည်း စီစဉ်ခဲ့ပါသည်။

၃။ လမ်းလွှဲမည့်အပိုင်းနှင့် လမ်းဖောက်လုပ်မှုအပိုင်းဆိုင်ရာအချက်အလက်များ၊ ဖောက်လုပ်မည့်လမ်းအမျိုးအစားနှင့် လမ်းအကျယ်၊ အရှည်နှင့် အသေးစိတ်ဆောင်ရွက်မည့် လမ်းတည်ဆောက်မှုဆိုင်ရာလုပ်ငန်းစဉ်များကို ခွင့်ပြုနိုင်မှုရှိ/မရှိ သုံးသပ်စစ်ဆေးနိုင်ရန်အတွက် ရည်ညွှန်း(၂)ပါစာကို မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်သည် ဝန်ကြီးရုံး၊ ဆောက်လုပ်ရေး ဝန်ကြီးဌာနသို့ ပေးပို့ခဲ့ပါသည်။

၄။ လမ်းလွှဲဖောက်မည့်ကိစ္စရပ်အတွက် မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်၊ GDZR နှင့် Yangon Engineering Group Co.,Ltd., တို့မှ တာဝန်ရှိသူများသည် (၈-၃-၂၀၁၆) ရက်နေ့တွင် အမြဲတမ်းအတွင်းဝန်(ဆောက်လုပ်ရေးဝန်ကြီးဌာန)ထံ သွားရောက်တွေ့ဆုံပြီး ညှိနှိုင်းဆွေးနွေးခဲ့ကြပါသည်။ ထိုသို့တွေ့ဆုံစဉ် အမြဲတမ်းအတွင်းဝန်က ဒေသခံများ နေ့စဉ်အသုံးပြု

နေသည့် ကားလမ်းအပိုင်းကို စက်ရုံဧရိယာအတွင်းသို့ ထည့်သွင်းခြင်းမပြုဘဲ ထိုလမ်း၏ တစ်ဖက်တစ်ချက်စီတွင် စက်ရုံနှင့်ဆက်စပ်အဆောက်အဦများကို ဆောက်လုပ်သင့်ကြောင်း၊ လမ်း၏အပေါ်ဘက်မှ Overhead Pipe Line များ ဆက်သွယ်ခြင်းနှင့် လမ်း၏အောက်ဖက်မှ Underground Pipe Line များ ဆက်သွယ်ခြင်းကိုမူ ခွင့်ပြုနိုင်မည်ဖြစ်ကြောင်းဖြင့် အကြံပြုဆွေးနွေးခဲ့ပါသည်။

၅။ ၎င်း၏အကြံပြုချက်အရ ကားလမ်း၏အရှေ့ဘက်အခြမ်း၌ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်မှပိုင်ဆိုင်သည့် ဆီအုန်းခြံအမှတ်(၅)အတွင်းတွင် ရေနံချက်စက်ရုံ၏ ပင်မအဆောက်အဦများနှင့် Tank Farm အချို့ကိုတည်ဆောက်ရန်နှင့်၊ ကားလမ်း၏အနောက်ဘက်အခြမ်း၌ မြန်မာ့စီးပွားရေး ဦးပိုင်လီမိတက်မှပိုင်ဆိုင်သည့် ဆီအုန်းခြံအမှတ်(၄)အတွင်းတွင် Waste Water Treatment Plant, Warehouse များနှင့် Tank Farm အချို့ကို တည်ဆောက်ရန် Design အသစ် ထပ်မံရေးဆွဲခဲ့ပါသည်။

၆။ ထိုကဲ့သို့ Design အသစ်ထပ်မံရေးဆွဲမှုအရ လောင်းလုံး-ကျောက်နီမော်ကားလမ်း၏ ၁. ၃ မိုင်ခန့်ရှည်သော လမ်းအပိုင်းကို စီမံကိန်းတည်ဆောက်မှုအတွက် တောင်းခံမည့်အစီအစဉ်နှင့် လမ်းလွှဲဖောက်မည့်အစီအစဉ်တို့ကို ပယ်ဖျက်ပါကြောင်း ပြင်ဆင်တည်ဆောက်မည့် စက်ရုံဧရိယာDesign အသစ်ဖြင့် ပြန်လည်တင်ပြအပ်ပါသည်။

ပူးတွဲပါ- (က) တစ်နှစ်လျှင်ရေနံစိမ်းတန်ချိန် ၅ သန်း ချက်လုပ်နိုင်မည့် ရေနံချက်စက်ရုံ စီမံကိန်းတည်နေရာနှင့် မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်မှ ဝယ်ယူထားသည့် ဆီအုန်းခြံများ၏ တည်နေရာပြမြေပုံ (၁)ရွက်

(ခ) ရေနံချက်စက်ရုံ၏ ပင်မအဆောက်အဦနှင့် ဆက်စပ်အဆောက်အဦများ တည်ဆောက်မည့်ဧရိယာပြမြေပုံ (၁) ရွက်

၁၅/၁၂/၁၅

မန်နေဂျင်းဒါရိုက်တာ(ကိုယ်စား)

ဦးသန်းထွန်း၊ ဌာနကြီးမှူး

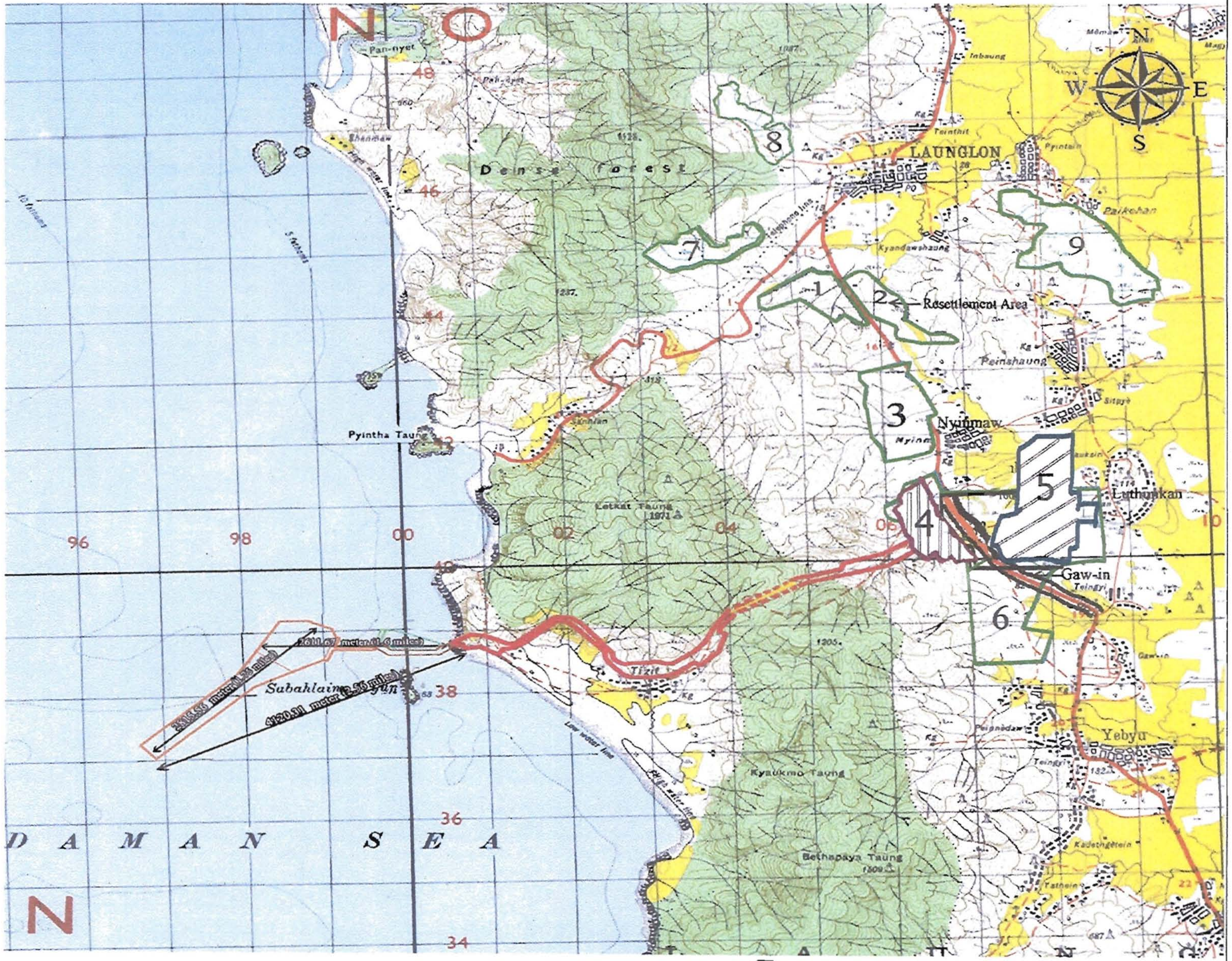
မိတ္တူကို

ဝန်ကြီးရုံး၊ ဆောက်လုပ်ရေးဝန်ကြီးဌာန

ရုံးလက်ခံ

တစ်နှစ်လျှင် ရေနံစိမ်းတန်ချိန် ၅ သန်း ချက်လုပ်နိုင်မည့် ရေနံချက်စက်ရုံစီမံကိန်း တည်နေရာနှင့် မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်မှ ဝယ်ယူထားသည့် ဆီအုန်းခြံများ၏ တည်နေရာပြမြေပုံ

ခြံအမှတ် (၁)	၁၇၃.၀၇ ဧက
ခြံအမှတ် (၂)	၂၂၆.၀၀ ဧက
ခြံအမှတ် (၃)	၁၃၀.၀၀ ဧက
ခြံအမှတ် (၄)	၁၂၀.၀၀ ဧက
ခြံအမှတ် (၅)	၂၈၃.၀၀ ဧက
ခြံအမှတ် (၆)	၁၈၃.၀၀ ဧက
ခြံအမှတ် (၇)	၇၇.၀၀ ဧက
ခြံအမှတ် (၈)	၁၃၄.၀၀ ဧက
ခြံအမှတ် (၉)	၃၁၀.၀၇ ဧက
စုစုပေါင်း	၁၆၃၆.၁၄ ဧက



ခြံအမှတ် (၁) - အုပ်ချုပ်မှုအဆောက်အဦများ တည်ဆောက်မည့်ဧရိယာ
ခြံအမှတ် (၂) - ပြောင်းရွှေ့မည့်အိမ်များကို ပြန်လည်နေရာချထားမည့် ဧရိယာ
ခြံအမှတ် (၃) - စက်ရုံဝန်ထမ်းများအတွက် အိမ်ယာတည်ဆောက်မည့် ဧရိယာ

ပင်မအဆောက်အဦနှင့် Tank Farm တည်ဆောက်မည့် ကားလမ်းအရှေ့ဘက်ခြံမြေ ဧရိယာ

Waste Water Treatment Plant ,Warehouse နှင့် Tank Farm တည်ဆောက်မည့်ကားလမ်းအနောက်ဘက်ခြံမြေ ဧရိယာ

ရေနံချက်စက်ရုံစီမံကိန်း

ပင်မအဆောက်အဦနှင့် ဆက်စပ်အဆောက်အဦများ တည်ဆောက်မည့်ဧရိယာပြမြေပုံ



ကုမ္ပဏီအမည် - Longwin Global Petrochemical Co., Ltd.

လုပ်ငန်း - တစ်နှစ်လျှင် မက်ထရစ်တန် ၅ သန်းခန့်ထွက်ရှိမည့် ရေနံချက် စက်ရုံနှင့်ရေနံ တင်/ချ ဆိပ်ကမ်း တည်ဆောက်၍ ရေနံထွက်ပစ္စည်းများ တင်ပို့ရောင်းချခြင်း လုပ်ငန်းဆောင်ရွက်ခွင့်ပြုပါရန် အဆိုပြုတင်ပြလာခြင်းကိစ္စ

စဉ်	အကြောင်းအရာ	ဆောင်ရွက်သည့် နေ့စွဲ	ပြန်ကြားချက် ရရှိသည့်နေ့စွဲ	မှတ်ချက်
၁	အဆိုပြုလွှာလက်ခံရရှိခြင်း	၁၈-၂-၂၀၁၆		
၂	သဘောထားမှတ်ချက်တောင်းခံခြင်း			
	(က) တနင်္သာရီတိုင်းဒေသကြီးအစိုးရအဖွဲ့	၁၈-၂-၂၀၁၆	၂၆-၂-၂၀၁၆	၉ ရက်
	(ခ) ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးနှင့် သစ်တောရေးရာဝန်ကြီးဌာန	၃- ၄-၂၀၁၅	EIA Report ပေးပို့ထားပြီးဖြစ်ပါသည်။	
	(ဂ) ပို့ဆောင်ရေးဝန်ကြီးဌာန	၁၉-၂-၂၀၁၆	၁-၃-၂၀၁၆	၁၁ ရက်
	(ဃ) မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်း	၃-၃-၂၀၁၆	၁၀-၃-၂၀၁၆	၈ ရက်
	(င) ရေကြောင်းပို့ဆောင်ရေး ညွှန်ကြားမှု ဦးစီးဌာန	၃-၃-၂၀၁၆	ပို့ဆောင်ရေးဝန်ကြီးဌာန၏ သဘောထားမှတ်ချက်နှင့်အညီဆောင်ရွက်မည်ဖြစ်ကြောင်းတင်ပြထားပါသည်။	
	(စ) ဆောက်လုပ်ရေးဝန်ကြီးဌာန	၃-၃-၂၀၁၆	လမ်းတိုးချဲ့မှုမပြုတော့ဘဲ လမ်းလွှဲဖောက်မည်ဖြစ်ကြောင်းတင်ပြထားပါသည်။	
၃	PAT (၉/၂၀၁၆) သို့ တင်ပြခြင်း	၂၉-၂-၂၀၁၆		
၄	ကုမ္ပဏီမှ PAT အစည်းအဝေးဆုံးဖြတ်ချက် နှင့် အညီ တင်ပြလာခြင်း	၁၆-၂-၂၀၁၆		
၅	မြေအသုံးပြုခွင့်တင်ပြခြင်း	ပြည်ထောင်စုအစိုးရအဖွဲ့ အစည်းအဝေးသို့ တင်ပြထားပါသည်။		
၆	ကုမ္ပဏီမှ အဆိုပြုလွှာပေးပို့ခြင်း	၁၆-၂-၂၀၁၆		
	စုစုပေါင်းကြာမြင့်ရက်	၃၀ ရက်		

အကြောင်းအရာ။ ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် Longwin Global Petrochemical Co., Ltd.မှ တစ်နှစ်လျှင် မက်ထရစ်တန် ၅ သန်း ခန့်ထွက်ရှိမည့်ရေနံချက်စက်ရုံနှင့် ရေနံ တင်/ချ ဆိပ်ကမ်းတည်ဆောက်၍ ရေနံထွက်ပစ္စည်းများ တင်ပို့ရောင်းချခြင်းလုပ်ငန်း ဆောင်ရွက်ခွင့်ပြုပါရန် အဆိုပြုတင်ပြလာခြင်းကိစ္စ

၁။	ကုမ္ပဏီအမည်/ ကမကထပြုသူ	- Longwin Global Petrochemical Co., Ltd. အမြဲတမ်းအတွင်းဝန်၊ စွမ်းအင်ဝန်ကြီးဌာန
	အဖွဲ့အစည်းပုံသဏ္ဌာန်	- ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှု -စွမ်းအင်ဝန်ကြီးဌာန ၃.၅% -Guangdong Zhenrong Energy Co., Ltd. (တရုတ်ပြည်သူ့သမ္မတနိုင်ငံ) ၇၀.၀% -မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက် (မြန်မာနိုင်ငံ) ၂၀.၀% - Yangon Engineering Group Co., Ltd. (မြန်မာနိုင်ငံ) ၆.၅%
	လုပ်ငန်းအမျိုးအစား	- တစ်နှစ်လျှင် မက်ထရစ်တန် ၅ သန်းခန့်ထွက်ရှိမည့် ရေနံချက်စက်ရုံနှင့် ရေနံတင်/ချဆိပ်ကမ်း တည်ဆောက်၍ ရေနံထွက်ပစ္စည်းများ တင်ပို့ရောင်းချ ခြင်း လုပ်ငန်း
၂။	တည်နေရာ	- တနင်္သာရီတိုင်းဒေသကြီး၊ထားဝယ်ခရိုင်၊ လောင်းလုံမြို့
	မြေပိုင်ရှင်	- မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်
	မြေအကျယ်အဝန်း	- မြေ ၇၃၃.၃ ဧက (၂,၉၆၇,၅၆၂.၄၃၈ စတုရန်းမီတာ)
	မြေငှားရမ်းကာလ	- ၅၀ နှစ် (သက်တမ်းတိုး ၁၀ နှစ် နှစ် ကြိမ်)
၃။	နှစ်စဉ်မြေငှားရမ်းခ	- US$ ၁.၄၈ သန်း (တစ်နှစ် ၁ စတုရန်းမီတာလျှင် US$ ၀.၅ နှုန်း) - မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက် မှ ရှယ်ယာအဖြစ် ထည့်ဝင်ထားပါသည်။
၄။	လုပ်ငန်းသက်တမ်း	- ၅၀ နှစ်
	တည်ဆောက်ရေးကာလ	- ၃ နှစ်

၅။	စုစုပေါင်းရင်းနှီးမြှုပ်နှံမှု	- US$ ၂,၆၀၂.၅၇ သန်း
	ထည့်ဝင်သည့် အမျိုးအစား	US $ (သန်း)
	ငွေသား	၃၁၆.၁၇
	စက်ပစ္စည်း (ပြည်ပဝယ်)	၄၃၆.၀၉
	(ပြည်တွင်းဝယ်)	
	Raw Material (ပြည်ပဝယ်)	၃၄၀.၃၉
	မြေနှင့်အဆောက်အဦငှားရမ်းခ	
	အဆောက်အဦ ကုန်ကျစရိတ်	၁,၀၂၁.၁၁
	Value of Technical Know-how	၇.၃
	Construction Period Interest	၁၇၆.၁၅
	others	၃၀၅.၃၆
	စုစုပေါင်း ရင်းနှီးမြှုပ်နှံမှု ပမာဏ	**၂,၆၀၂.၅၇**
၆။	ဝန်ထမ်းအင်အား	- ၉၀၀ ဦး
	ပြည်တွင်း	- ၆၈၄ဦး (အနိမ့်ဆုံးလစာမှာ US$ ၁၆၇ နှင့် အမြင့်ဆုံးလစာမှာ US$ ၁,၂၅၀ ဖြစ်ပါသည်။)
	ပြည်ပ	- ၂၁၆ဦး (အနိမ့်ဆုံးလစာမှာ US$ ၄၁၇ နှင့် အမြင့်ဆုံးလစာမှာ US$ ၆,၆၆၇ ဖြစ်ပါသည်။)
၇။	ထုတ်လုပ်မှုနှင့်ရောင်းချမည့်ဈေးနှုန်း	

Product	Production output (10k ton/yr)	Ex-refinery Price (USD/ton)	Value of Product (10k USD)
Euro IV Gasoline	၁၄၀.၄	-	၁၃၆,၇၉၀
89# gasoline	၇၃.၉၅	၉၂၄.၂၀	၇၅,၀၇၄
92# gasoline	၉၃.၄၅	၉၇၈.၄၄	၉၀,၄၇၅
95# gasoline	၁၀	၁,၀၂၈.၁၆	၁၀,၂၈၂
Aviation kerosene	၃၉.၃၉	၁,၀၀၂.၉၂	၃၉,၅၀၅
Euro IV diesel	၁၄၆.၂၆	၉၆၂.၈၅	၁၄၀,၈၂၇
LPG	၂၅.၆၈	၈၅၂.၆၄	၂၁,၈၉၆
Propane	၁.၄၉	၇၈၂.၃၄	၁,၁၆၆
Propylene (for export)	၇.၉၃	၁,၄၇၈.၇၁	၁၁,၇၂၆
Asphalt	၂၀	၅၄၅.၀၈	၁၀,၉၀၂
Asphalt (for export)	၂၀	၄၈၃.၇၇	၉,၆၇၅
Sulfur (for export)	၃.၆၂	၂၂၇.၈၂	၈၂၅
Fuel oil (for export)	၅၇.၇၃	၅၇၇.၅၈	၃၀,၈၂၀

၈။	ဝင်ငွေ (ဆဌမနှစ်)	- US $ ၄,၀၄၁.၃၂ သန်း
	အသုံးစရိတ် (ဆဌမနှစ်)	- US $ ၃,၉၁၇.၇၃ သန်း
	အသားတင်အမြတ် (ဆဌမနှစ်)	- US $ ၁၂၃.၅၉ သန်း
	အရင်းကြေကာလ	- ၉ နှစ် ၇ လ
	အရင်းအနှီးအပေါ် အကျိုးအမြတ်ပြန်ပေါ်နှုန်း (IRR)	- ၁၁.၃၅ %
၉။	နိုင်ငံတော်မှ ရရှိမည့် အကျိုးအမြတ်	
	- ဝင်ငွေခွန်	- US $ ၄၁.၂၁ သန်း
၁၀။	လျှပ်စစ်ဓါတ်အားသုံးစွဲမှု (နှစ်စဉ်)	- ၄၃၄,၈၆၀,၀၀၀ kWh (self-produced)
	ရေသုံးစွဲမှု (နှစ်စဉ်)	- ၃,၈၈၀,၀၀၀ ကုဗမီတာ
	လောင်စာဆီ (နှစ်စဉ်)	- FCC slurry and residual oil ၁၇၂,၃၀၀ တန်နှင့် Fuel Gas ၁၀၀,၉၀၀ တန် (Self-produced)
၁၁။	CSR	- နှစ်စဉ် အသားတင်အမြတ်ငွေ၏ ၂ % ကို အသုံးပြုမည်ဟုတင်ပြထားပါသည်။

ကုမ္ပဏီအမည်	-	Longwin Global Petrochemical Co., Ltd.
အဖွဲ့အစည်းပုံသဏ္ဍာန်	-	ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှု
လုပ်ငန်းအမျိုးအစား	-	တစ်နှစ်လျှင် မက်ထရစ်တန် ၅ သန်း ခန့်ထွက်ရှိမည့်ရေနံချက်စက်ရုံနှင့် ရေနံတင်/ချ ဆိပ်ကမ်းတည်ဆောက်၍ ရေနံထွက်ပစ္စည်းများ တင်ပို့ရောင်းချခြင်းလုပ်ငန်း
တည်နေရာ	-	တနင်္သာရီတိုင်းဒေသကြီး၊ထားဝယ်ခရိုင်၊ လောင်းလုံမြို့
စုစုပေါင်းရင်းနှီးမြှုပ်နှံမှု	-	US$ ၂,၆၀၂.၅၇ သန်း
ဝန်ဆောင်မှုပေးမည့်စနစ်	-	ပြည်တွင်း ၁၀၀%
လုပ်ငန်းသက်တမ်း	-	(၅၀) နှစ်
အရင်းကြေကာလ	-	၉ နှစ် ၇ လ
IRR	-	၁၁.၃၅ %

အထက်ပါလုပ်ငန်းဆောင်ရွက်ခြင်းဖြင့် နိုင်ငံတော်၏ Cost & Benefit ကို အောက်ပါဇယားဖြင့် ပြုစုတင်ပြအပ်ပါသည်-

စဉ်	အကြောင်းအရာ	Cost	Benefit
၁	နိုင်ငံ့ဝန်ထမ်း၏လစာ	ကျပ် ၃.၀၀ သန်း (တစ်နှစ်)	
၂	ကုမ္ပဏီမှတ်ပုံတင်ကြေး	-	ကျပ် ၁.၂၀ သန်း
၃	သွင်းကုန်ခွန်ကင်းလွတ်ခွင့်	ကျပ် ၂၇,၉၅၃.၂၈ သန်း	
၄	ဝင်ငွေခွန်	ကျပ် ၁၄၆,၉၀၄.၀၀ သန်း	ကျပ် ၂၈၉,၄၂၈.၀၀ သန်း
၅	ရေ၊ လျှပ်စစ်မီးသုံးစွဲခ		ကျပ် ၈၆၄,၀၀၀.၀၀ သန်း
၆	လောင်စာသုံးစွဲခ		-
၇	လုပ်ခလစာအပေါ်ဝင်ငွေခွန်		တစ်နှစ် ဝင်ငွေ ကျပ် ၂ သန်း (ကျပ်နှစ်သန်း) ကျော် ပါက အခွန်ပေးရမည့် ဝန်ထမ်း (၂၀၅) ဦး
၈	CSR (၂%)		ကျပ် ၂၉,၁၂၄.၀၀ သန်း
၉	မြေငှားရမ်းခ,ရငွေ		ကျပ် ၈,၈၈၀.၀၀ သန်း
၁၀	အလုပ်အကိုင်အခွင့်အလမ်း		အမြဲတမ်း ပြည်တွင်း ၆၈၄ ဦး ပြည်ပ ၂၁၆ ဦး
၁၁			ပြည်တွင်းလုပ်သား(၆၈၄)ဦးအလုပ်အကိုင်ရရှိမည်ဖြစ်၍ ဒေသအလုပ်အကိုင် အခွင့်အလမ်းနှင့်ဒေသစီးပွားရေးဖွံ့ဖြိုး တိုးတက်မှုကို အထောက် အကူပြုစေပါသည်။ အလုပ်အကိုင် အခွင့်အလမ်းများ ပိုမို ရရှိစေပြီးဆင်းရဲနွမ်းပါးမှုလျော့ချရေးကို အထောက်အကူ ပြုစေနိုင်ပါသည်။
		ကျပ် ၁၇၄,၈၆၀.၂၈ သန်း	**ကျပ် ၁,၁၉၁,၄၃၃.၂ သန်း**
			၁ : ၆.၈၁

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်
မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်

စာအမှတ်၊ ရက- ၅(အ)/ ၀၁၅/၂၀၁၆ (၁၉၄)
ရက်စွဲ ၊ ၂၀၁၆ ခုနှစ် မတ် လ ၁၇ ရက်

မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်သို့

တင်ပြသည့်အမှာစာ

အကြောင်းအရာ။ နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် Longwin Global Petrochemical Co., Ltd. မှ တစ်နှစ်လျှင် မက်ထရစ်တန် ၅ သန်းခန့်ထွက်ရှိမည့် ရေနံချက်စက်ရုံနှင့် ရေနံတင်/ချ ဆိပ်ကမ်းတည် ဆောက်၍ ရေနံထွက်ပစ္စည်းများ တင်ပို့ရောင်းချခြင်းလုပ်ငန်း ဆောင်ရွက်ခွင့်ပြုပါရန် အဆိုပြုတင်ပြလာခြင်းကိစ္စ

၁။ စွမ်းအင်ဝန်ကြီးဌာနမှ ၃.၅%၊ တရုတ်ပြည်သူ့သမ္မတနိုင်ငံ Guangdong Zhenrong Energy Co., Ltd. မှ ၇၀% ၊ မြန်မာနိုင်ငံမှ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက် ၂၀% နှင့် Yangon Engineering Group Co., Ltd. မှ ၆.၅% ထည့်ဝင်၍ မြန်မာနိုင်ငံတွင် ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် Longwin Global Petrochemical Co., Ltd. တည်ထောင်ပြီး တနင်္သာရီတိုင်းဒေသကြီး၊ ထားဝယ်ခရိုင်၊ လောင်းလုံမြို့ရှိ မြေ ၇၃၃.၃ ဧက (၂,၉၆၇,၅၆၂.၄၃၈ စတုရန်းမီတာ)တွင် တစ်နှစ်လျှင် မက်ထရစ်တန် ၅ သန်း ခန့်ထွက်ရှိမည့် ရေနံချက်စက်ရုံနှင့် ရေနံတင်/ချ ဆိပ်ကမ်း တည်ဆောက်၍ ရေနံထွက်ပစ္စည်းများ တင်ပို့ရောင်းချခြင်းလုပ်ငန်း ဆောင်ရွက်ခွင့်ပြုပါရန် ရင်းနှီးမြှုပ်နှံသူအမြဲတမ်းအတွင်းဝန်၊ စွမ်းအင်ဝန်ကြီးဌာနမှ မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှု ကော်မရှင်သို့ အဆိုပြုချက်တင်ပြလာပါသည်။

၂။ လုပ်ငန်းစီမံကိန်းကာလမှာ ၅၀ နှစ်ဖြစ်ပြီး တည်ဆောက်ရေးကာလ ၃ နှစ်ကြာမြင့်မည်ဖြစ်ကြောင်း တင်ပြထားပါသည်။

၃။ မြေငှားသက်တမ်းမှာ နှစ် ၅၀ (၁၀နှစ် ၂ ကြိမ်)ဖြစ်ပြီး မြေငှားရမ်းသည့်ဧရိယာမှာ စုစုပေါင်း ၇၃၃.၃ ဧက ဖြစ်ပြီး တစ်နှစ်တစ်စတုရန်းမီတာလျှင် US$ ၀.၅ နှုန်းဖြင့် တွက်ချက်တင်ပြထားပါသည်။ တစ်နှစ်မြေငှားရမ်းခငွေမှာ စုစုပေါင်း US$ ၁.၄၈ သန်း ဖြစ်ပါသည်။

၄။ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်နှင့် Longwin Global Petrochemical Co., Ltd. တို့အကြား ပြည်ထောင်စုရှေ့နေချုပ်ရုံး၏ သဘောထားမှတ်ချက်နှင့်အညီ ပြင်ဆင်ထားသည့် မြေငှားစာချုပ်(မူကြမ်း)နှင့် ဖက်စပ်သဘောတူစာချုပ် (မူကြမ်း)တို့ကို ပူးတွဲတင်ပြထားပါသည်။ ဖက်စပ်သဘောတူစာချုပ်(မူကြမ်း)ပါ အဓိကအချက်များမှာ အောက်ပါအတိုင်း ဖြစ်ပါသည်-

(က) Article 6 အပိုဒ် 6.2.1 တွင် ဒါရိုက်တာဖွဲ့စည်းခြင်းဖြင့် အဖွဲ့ဝင်အားလုံးမှာ ၃ နှစ် သက်တမ်းအဖြစ် တာဝန်ထမ်းဆောင်ရမည်ဖြစ်ပြီး စွမ်းအင်ဝန်ကြီးဌာနမှ ဒါရိုက်တာ ၁ ဦး၊ GDZR Co., Ltd. မှ ဒါရိုက်တာ ၃ ဦး နှင့် Yangon Engineering Group မှ ဒါရိုက်တာ ၁ ဦး၊ MEHL မှ ဒါရိုက်တာ ၂ ဦး၊ စုစုပေါင်း ၇ ဦး ဖြစ် ကြောင်းတွေ့ရှိရပါသည်။

(ခ) Article 6 အပိုဒ် 6.2.4 တွင် Chairman အဖြစ် GDZR နှင့် MEHL မှ တစ်လှည့်စီ တာဝန်ထမ်းဆောင်ရမည်ဖြစ်ပြီး Managing Director အဖြစ် GDZR မှ ဒါရိုက်တာအဖွဲ့၏ ဆုံးဖြတ်ချက်ဖြင့် တာဝန်ထမ်းဆောင်ရမည် ဖြစ်သည်။ Deputy Managing Director အဖြစ် MEHL မှ တာဝန်ထမ်းဆောင်ရမည်ဖြစ်ကြောင်း တွေ့ရှိရပါသည်။

(ဂ) Article 6 အပိုဒ် 6.2.6 တွင် Political & Social Issue Energy Safety & Security ပိုင်းဆိုင်ရာ မူဝါဒပိုင်းတွင် Veto အာဏာကို စွမ်းအင်ဝန်ကြီးဌာနမှ သုံးစွဲမည်ဖြစ်ကြောင်းတွေ့ရှိရပါသည်။

(ဃ) Article 12 Sales of Products အခန်း အပိုဒ် 12.3.1 တွင် ရေနံထွက်ပစ္စည်းနှင့် Semi-Manufactured Products များအား နိုင်ငံတကာဈေးကွက်များတွင် တင်ပို့ရောင်းချရမည်ဟုပါရှိပြီး အပိုဒ် 12.3.2 တွင် ပြည်တွင်းဈေးကွက်တွင် ရောင်းချဖြန့်ချိခွင့်မရှိဟုပါရှိပါသည်။ အပိုဒ် 12.3.3 တွင် စွမ်းအင်ဝန်ကြီးဌာနမှ ခေါ်ယူသော လေလံဝင်ရောက်ယှဉ်ပြိုင်ပြီးမှသာ ရောင်းချခွင့်ရှိကြောင်း တွေ့ရှိရပါသည်။

၅။ လုပ်ငန်း၏ စုစုပေါင်းမတည်ငွေရင်းပမာဏမှာ အမေရိကန်ဒေါ်လာ ၂,၆၀၂.၅၇ သန်းဖြစ်ပြီး ထည့်ဝင်မှုများမှာ တစ်ဘက်ပါအတိုင်း ဖြစ်ပါသည်-

	စုစုပေါင်း US$ (သန်း)
ငွေသား	၃၁၆.၁၇
စက်ပစ္စည်း (ပြည်ပဝယ်)	၄၃၆.၀၉
Raw Material (ပြည်ပဝယ်)	၃၄၀.၃၉
အဆောက်အဦ ကုန်ကျစရိတ်	၁,၀၂၀.၁၁
Value of Technical Know-how	၇.၃၀
Construction Period Interest	၁၇၆.၁၅
others	၃၀၅.၃၆
စုစုပေါင်း	**၂,၆၀၂.၅၇**

၆။ လုပ်ငန်းဆောင်ရွက်ရန် အတွက် ပထမနှစ်တွင် ပြည်တွင်းဝန်ထမ်း ၆၈၄ ဦး နှင့် ပြည်ပဝန်ထမ်း ၂၁၆ ဦး၊ စုစုပေါင်း ၉၀၀ ဦး ခန့်ထားမည်ဖြစ်ပါသည်။ ပြည်တွင်းဝန်ထမ်း တစ်ဦး၏ အနိမ့်ဆုံးလစာမှာ US$ ၁၆၇ ဖြစ်ပြီး အမြင့်ဆုံး လစာမှာ US$ ၁,၂၅၀ ဖြစ်ပါသည်။ ပြည်ပဝန်ထမ်း တစ်ဦး၏ အနိမ့်ဆုံးလစာမှာ US$ ၄၁၇ ဖြစ်ပြီး အမြင့်ဆုံးလစာမှာ US$ ၆,၆၆၇ ဖြစ်ပါသည်။

၇။ အဆိုပြုလုပ်ငန်းမှ ထုတ်လုပ်မည့် ရေနံထွက်ပစ္စည်းများမှာ ပြည်ပသို့ တင်ပို့ရောင်းချမည်ဖြစ်ပါသည်။ ပုံမှန်နှစ် (၆-နှစ်မြောက်) တွင် ထုတ်လုပ်မှုနှင့် ရောင်းဈေးနှုန်းမှာ အောက်ပါအတိုင်းဖြစ်ပါသည်-

အမျိုးအမည်	Production output (10k ton/yr)	Ex-refinery Price (USD/ton)	Value of Product (10k USD)
Euro IV Gasoline	၁၄၀.၄၀	-	၁၃၆,၇၉၀
89# gasoline	၃၇.၉၅	၉၂၄.၂၀	၃၅,၀၇၄
92# gasoline	၉၃.၄၅	၉၇၈.၄၄	၉၀,၄၃၅
95# gasoline	၁၀.၀၀	၁,၀၂၈.၁၆	၁၀,၂၈၂
Aviation kerosene	၃၉.၃၉	၁,၀၀၂.၉၂	၃၉,၅၀၅
Euro IV diesel	၁၄၆.၂၆	၉၆၂.၈၅	၁၄၀,၈၂၇
LPG	၂၅.၆၈	၈၅၂.၆၄	၂၁,၈၉၆
Propane	၁.၄၉	၇၈၂.၃၄	၁,၁၆၆
Propylene(for export)	၇.၉၃	၁,၄၇၈.၇၁	၁၁,၇၂၆
Asphalt	၂၀.၀၀	၅၄၅.၀၈	၁၀,၉၀၂
Asphalt(for export)	၂၀.၀၀	၄၈၃.၇၇	၉,၆၇၅
Sulfur (for export)	၃.၆၂	၂၂၇.၈၂	၈၂၅
Fuel oil (for export)	၅၇.၃၃	၅၃၇.၅၈	၃၀,၈၂၀

၈။ ဤလုပ်ငန်းကို ဆောင်ရွက်ခြင်းဖြင့် ပုံမှန်နှစ်(၆-နှစ်မြောက်)တွင် ကုမ္ပဏီမှရရှိမည့် ဝင်ငွေနှင့် အသုံးစရိတ်ခန့်မှန်းခြေမှာ အောက်ပါအတိုင်း ဖြစ်ပါသည်-

		US$ (သန်း)
(က)	ဝင်ငွေ	၄,၀၄၁.၃၂
(ခ)	အသုံးစရိတ်	၃,၉၁၇.၇၃
(ဂ)	အသားတင်အမြတ်	၁၂၃.၅၉

၉။ နိုင်ငံတော်မှ ပုံမှန်နှစ် (၆-နှစ်မြောက်)တွင် ရရှိမည့် အကျိုးအမြတ်ခန့်မှန်းခြေမှာ ဝင်ငွေခွန် US$ ၄၁.၂၀ သန်းနှင့် ရရှိမည်ဖြစ်ပါသည်။ လုပ်ငန်း၏ အရင်းကြေကာလမှာ ၉ နှစ် ၇ လ ဖြစ်ပြီး အရင်းအနှီးအပေါ် အကျိုးအမြတ် ပြန်ပေါ်နှုန်း (IRR) မှာ ၁၁.၃၅ % ဖြစ်ပါသည်။

၁၀။ ယင်းအဆိုပြုလုပ်ငန်းနှင့်စပ်လျဉ်း၍ သက်ဆိုင်ရာဌာန၊ အဖွဲ့အစည်းများသို့ သဘောထားများ တောင်းခံခဲ့ရာ အောက်ပါအတိုင်း ပြန်ကြားလာပါသည်-

(က) **တနင်္သာရီတိုင်းဒေသကြီးအစိုးရအဖွဲ့ရုံးမှ** ရင်းနှီးမြှုပ်နှံမှုပြုလုပ်မည့်နေရာသည် နောင်ပြုလုပ်မည့် (သို့မဟုတ်) လက်ရှိမြို့ပြစီမံကိန်းကို ထိခိုက်နိုင်ခြင်းမရှိပါကြောင်း၊ မြို့နယ် ဒေသအလုပ်အကိုင် အခွင့်အလမ်းနှင့် ဒေသစီးပွားရေး ဖွံ့ဖြိုးတိုးတက်မှုအတွက် အထောက်အကူဖြစ်စေပါကြောင်း၊ ဖော်ပြပါမြေနေရာအား အဆိုပြုလုပ်ငန်းဆောင်ရွက်ခြင်းအပေါ် ဒေသခံအများစုက လူမှုရေး၊ စီးပွားရေးနှင့် သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းမှုတို့အရ လက်ခံနိုင်မှုရှိကြောင်း၊ လုပ်ငန်းဆောင်ရွက်မည့်မြေနေရာသည် မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်ပိုင်ဆိုင်သော ဆီအုန်းခြံ (၉)ခြံ၊ မြေဧရိယာ (၁၆၃၆.၁၄) ဧကအတွင်း ပါဝင်ပြီး ရေနံချက်စက်ရုံ စီမံကိန်းအတွက် မြေဧရိယာ (၃၃၃)ဧကသာ အသုံးပြုမည်ဖြစ်ကြောင်း၊ စီမံကိန်းအား အကောင်အထည်ဖော်ဆောင်ရွက်ခြင်းအားဖြင့် ဒေသ၏စီးပွားရေးဖွံ့ဖြိုးတိုးတက်လာမည် ဖြစ်ခြင်း၊ အလုပ်လက်မဲ့များ လျော့ကျလာမည်ဖြစ်ခြင်း၊ ဒေသ၏ ဂျီဒီပီတိုးတက်မြင့်မား လာစေပြီး ဒေသခံများ၏ လူနေမှုဘဝမြင့်မားတိုးတက်လာမည် ဖြစ်ခြင်း၊ လောင်စာဆီဈေးနှုန်းများ လျော့ကျလာပြီး အသေးစားနှင့် အလတ်စား စက်မှုလုပ်ငန်းများ တိုးတက်ဖြစ်ထွန်းလာမည် ဖြစ်ခြင်းတို့ကြောင့် ကန့်ကွက်ရန်မရှိကြောင်း ၂၀၁၆ ခုနှစ် ဖေဖော်ဝါရီလ ၂၅ ရက်တွင် ကျင်းပခဲ့သော တနင်္သာရီတိုင်း

ဒေသကြီးအစိုးရအဖွဲ့ အစည်းအဝေး (၄/၂၀၁၆) ဆုံးဖြတ်ချက်အပိုဒ် (၂၇) အရ ကန့်ကွက်ရန်မရှိပါကြောင်း သဘောထားပြန်ကြားလာပါသည်။

နောက်ဆက်တွဲ-က

(ခ) **ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးနှင့်သစ်တောရေးရာဝန်ကြီးဌာန** သို့ ကုမ္ပဏီမှ တင်ပြလာသော EIA, SIA, HIA, ERP, EMPအစီရင်ခံစာများကို Resource & Environment Management Ltd.မှ တစ်ဆင့် တင်ပြလာပါသဖြင့် ကော်မရှင်မှ ၂၀၁၅ ခုနှစ် ဧပြီလ ၃ ရက်နေ့ ရက်စွဲပါစာအမှတ်၊ ရက-၅(စ)/ န-ထွေ/ ၂၀၁၅ (၁၀၆)ဖြင့် ပေးပို့ခဲ့ပြီးဖြစ်ပါသည်။

(ဂ) **ပို့ဆောင်ရေးဝန်ကြီးဌာနမှ** အဆိုပြုလုပ်ငန်းဆောင်ရွက်ခွင့်ပြုရန် ကိစ္စနှင့် ပတ်သက်၍ အောက်ပါအတိုင်း သဘောထားမှတ်ချက် ပြန်ကြားလာပါသည်-

(၁) မြန်မာနိုင်ငံသည် အပြည်ပြည်ဆိုင်ရာ ရေကြောင်းအဖွဲ့ချုပ်၏ အဖွဲ့ဝင်နိုင်ငံ တစ်ခုဖြစ်သည့်အားလျော်စွာ အပြည်ပြည်ဆိုင်ရာ ရေကြောင်းအဖွဲ့ချုပ် (IMO) ၏ International Ship and Port Facility Security Code-ISPS Code ပါ လိုအပ်ချက်များအတိုင်း အပြည်ပြည်ဆိုင်ရာ ဆိပ်ကမ်း များတွင် ဖြည့်ဆည်း ဆောင်ရွက်ထားရန် လိုအပ်မည် ဖြစ်ပါကြောင်း၊ လုံခြုံ ရေးအရာရှိနှင့် ဝန်ထမ်းများအတွက် ISPS Code ပါ လိုအပ်ချက်များအတိုင်း လေ့ကျင့်သင်ကြားပေးမှုနှင့် ကိုင်ဆောင်ရမည့် လက်မှတ်များ ကိုင်ဆောင်ထား ရှိရန်လည်းလိုအပ်ပါကြောင်း၊ ISPS Codeနှင့် ပြည့်စုံသော Port Security Plan ရေးဆွဲ၍ Planပါ အချက်များ ပြည့်စုံအောင် ဆောင်ရွက်ထားမှသာလျှင် "Compliance Certificate" အား ထုတ်ပေးနိုင်မည်ဖြစ်ပါကြောင်း၊

(၂) ဆိပ်ခံတံတားလုပ်ငန်းဆိုင်ရာ တင်ပြချက်တွင် DWT တန်ချိန် (၁၅၀,၀၀၀) ရှိသော ရေနံစိမ်း(Crude Oil)တင်သင်္ဘောကြီးများနှင့် DWT (၃၀,၀၀၀), (၂၀,၀၀၀) ရှိသော ရေနံကုန်ချောတင်ဆောင်မည့်သင်္ဘောများဝင်ရောက် ဆိုက်ကပ် အသုံးပြုမည်ဟု ဖော်ပြထားသည့်အတွက် ဆီယိုဖိတ်မှုမတော်တဆဖြစ်မှုများ ဖြစ်ပွားလာပါက အရေးပေါ်အစီအစဉ်များ ချမှတ်အကောင်အထည်ဖော်နိုင်မည့် Oil Spill Contingency Plan အား ရေးဆွဲတင်ပြရန်နှင့် ဆိပ်ကမ်းအတွင်း ဆီယိုဖိတ်မှု ဖြစ်စဉ်ဖြစ်လာပါက အရေးပေါ် ဆောင်ရွက်နိုင်ရန် Oil

Booms များ Skimmer စက်များ Operate လုပ်နိုင်မည့် ပညာရှင်အပါအဝင် လူအင်အားနှင့် ပစ္စည်းများ အား Handle လုပ်နိုင်မည့် ပညာရှင် အပါအဝင် လူအင်အားနှင့် ပစ္စည်းများအား Handle လုပ်နိုင်မည့် Tug Boat များပါ ဖြည့်ဆည်းထားရန် လိုအပ်ပါကြောင်း၊

(၃) မြန်မာနိုင်ငံသည် MARPOL Annex I,II ကိုသာ လက်မှတ်ရေးထိုးထားပြီး ကျင့်သုံးနေသော်လည်း ယခုကဲ့သို့ ရေနံ တင်/ချ ဆိပ်ကမ်းကြီးများ ပေါ်ပေါက်လာပါက လိုအပ်သော OPRC Convention, CLC Convention, Bunker Convention, Fund Convention များကိုလည်း အမြန်ရေးထိုးနိုင်ရေး ဆောင်ရွက်လျက်ရှိရာ ထုတ်ပြန်လာမည့် ဥပဒေ၊ နည်းဥပဒေများ၊ လုပ်ထုံးလုပ်နည်းများကိုလည်း လိုက်နာရန်နှင့် လိုအပ်ချက်များ ဖြည့်ဆည်းပေးရန် တာဝန်ရှိကြောင်းလည်း ကြိုတင် သိရှိထားရန် လိုအပ်ပါကြောင်း၊

(၄) မြန်မာနိုင်ငံအနေဖြင့် Fund Conventionအား အတည်ပြု လက်မှတ်ရေးထိုးပြီးချိန်တွင် ဆီမတော်တဆယိုဖိတ်မှုကိစ္စများအတွက် ဆီလက်ခံသည့်နိုင်ငံမှ ရန်ပုံငွေထည့်ဝင်ခြင်းကို ဆောင်ရွက်ရမည်ဖြစ်ရာ အဆိုပါ ကိစ္စအတွက် ကြိုတင်ပြင်ဆင် စီစဉ်ထားသင့်ပါကြောင်း၊

(၅) ဆိပ်ကမ်းတည်ဆောက်မှု နှင့် သင်္ဘောကြီးများ ဝင်/ထွက်မှုအတွက် ဖြစ်ပေါ်လာမည့် ဒေသခံ ငါးဖမ်းလုပ်သားများ၏ နစ်နာမှုဖြစ်ပေါ်လာပါက ကြိုတင်ပညာပေး ညှိနှိုင်းထားရန်လည်း လိုအပ်ပါကြောင်း၊

(၆) Longwin Global Petrochemical Co., Ltd. မှ ရေနံတင်ဆိပ်ကမ်း တည်ဆောက်ရန်အတွက် ပုံစံဒီဇိုင်းများ ရေးဆွဲတင်ပြထားရာတွင် Crude Oil Jetty အား ပင်လယ်ပြင်ဘက်သို့ 1800 m ခန့် (ရေအနက်- 18.7 m)၊ Breakwater အား 1452 m (ရေအနက်-14 m) ခန့်တွင် တည်ဆောက်မည်ဖြစ်ရာ ဌင်းနေရာဝန်းကျင် ရေ ဒေသအား အသုံးပြုနေသော အဖွဲ့အစည်းများနှင့် ပုဂ္ဂလိကရေယာဉ်ပိုင်ရှင်များ အနေဖြင့်ရေကြောင်းသွားလာရေးအတွက် လွတ်ကင်းမှု ရှိ/မရှိနှင့် ပတ်ဝန်းကျင် ထိခိုက်မှု ရှိ/မရှိ ညှိနှိုင်းသင့်ပါကြောင်း၊

(၇) အဆိုပါ ရေနံတင်ဆိပ်ကမ်းတည်ဆောက်ခြင်း ကိစ္စနှင့်ပတ်သက်၍ တနင်္သာရီတိုင်းဒေသကြီး အစိုးရအဖွဲ့၏ သဘောထားမှတ်ချက် တောင်းခံရန် လိုအပ်မည် ဖြစ်ပြီး ထားဝယ်ရေနက်ဆိပ်ကမ်းဆောက်လုပ်ပြီးပါက ၎င်းဆိပ်ကမ်းသို့ Crude Oil နှင့် LNG ရေယာဉ်ကြီးများ ဝင်ထွက်ရန် ရှိ- မရှိ၊ ရှိပါက လုပ်ငန်းသဘာဝတူမျိုး ဖြစ်နေနိုင်သဖြင့် ထားဝယ်အထူးစီးပွားရေးဇုန် စီမံခန့်ခွဲမှုကော်မတီသို့ပါ သဘောထားမှတ်ချက် တောင်းခံသင့်ပါကြောင်း၊

(၈) အဆိုပါ Crude Oil Jetty တွင် ဆိုက်ကပ်မည့် ရေယာဉ်များမှာ အပြည်ပြည်ဆိုင်ရာရေယာဉ်များဖြစ်သဖြင့် ဆောက်လုပ်မည့် ဆိပ်ကမ်းတံတားပုံစံကိစ္စ၊ အပြည်ပြည်ဆိုင်ရာ ဆိပ်ကမ်းသတ်မှတ်ရန်ကိစ္စ၊ ဆိပ်ကမ်းအခွန်အခနှင့် Royalty Fees ကိစ္စ၊ ဆိပ်ကမ်းလုပ်ငန်း လုပ်ကိုင်ခွင့် လိုင်စင်ကိစ္စ စသည်တို့နှင့်ပတ်သက်၍ မြန်မာ့ဆိပ်ကမ်းအာဏာပိုင်နှင့် အသေးစိတ် ညှိနှိုင်းရန် လိုအပ်မည်ဖြစ်သည့်အပြင် ဆောက်လုပ်ပြီးစီးပါကလည်း မြန်မာ့ဆိပ်ကမ်းအာဏာပိုင်ဥပဒေကို လိုက်နာရန် လိုအပ်မည် ဖြစ်ပါကြောင်းသဘောထား ပြန်ကြားလာရာကုမ္ပဏီမှ ပို့ဆောင်ရေးဝန်ကြီးဌာန၏ သဘောထားမှတ်ချက်နှင့်အညီလိုက်နာမည်ဖြစ်ကြောင်း ၂၀၁၆ ခုနှစ် မတ်လ ၁၅ ရက်နေ့ ရက်စွဲပါစာဖြင့် ဝန်ခံကတိပြုတင်ပြထားပါသည်။ **နောက်ဆက်တွဲ -ခ**

(ဃ) **မြန်မာ့ရေနံဓါတုဗေဒလုပ်ငန်းမှ** အဆိုပြုလုပ်ငန်းဆောင်ရွက်ခွင့်ပြုရန် ကိစ္စနှင့် ပတ်သက်၍ အောက်ပါအတိုင်း သဘောထားမှတ်ချက် ပြန်ကြားလာပါသည်-

(၁) အီရန်နိုင်ငံမှ ရေနံစိမ်းအား တင်သွင်းချက်လုပ်မည်ဖြစ်ပြီး အပေါ့စားနှင့်အလေးစား (Light and Heavy Crude Oil) ၂ မျိုးကို ၃း၂ ဖြင့် ရောစပ်၍ ချက်လုပ်ရန် ဒီဇိုင်းပြုလုပ်ထားပါသည်။ ရေနံစိမ်း Specification တွင် ဆာလဖာပါဝင်မှုမှာ 1.52-1.72 wt အထိ ရှိကြောင်း စိစစ်တွေ့ရှိရပါသည်။ Sour Crude ဖြစ်သော်လည်း Sulfur Recovery Unit ထည့်သွင်း တည်ဆောက်ထားပြီး ပတ်ဝန်းကျင်ညစ်ညမ်းမှုမရှိစေရန် ဆာလ်ဖာကို By Product အဖြစ် ထုတ်လုပ်ထားသဖြင့် ပြည်တွင်းဆာလ်ဖာ လိုအပ်ချက်ကိုလည်း ဖြည့်ဆည်းပေးနိုင်ကြောင်း ။

(၂) တစ်နေ့လျှင် ရေနံစိမ်း စည် ၁၀၀,၀၀၀ ခန့် ချက်လုပ်နိုင်သည့် စက်ရုံဖြစ်ခြင်းကြောင့် စီပွားရေးတွက်ခြေကိုက် အရွယ်အစားရှိသည့် စက်ရုံဖြစ်ကြောင်း။

(၃) အဆိုပါစက်ရုံတွင် Plant/ Unit စုစုပေါင်း (၉)ခု ပါဝင်ပြီး အဓိက ထုတ်ကုန်များအဖြစ် အောက်တိန်းအမှတ်မြင့် ဓါတ်ဆီ (RON 89, 92, 95)၊ လေယာဉ်ဆီ၊ အဆင့်မြင့် ဒီဇယ်ဆီ၊ ရေနံဓါတ်ငွေ့ရည်၊ Fuel Oil၊ ဆာလ်ဖာနှင့် လမ်းခင်းကတ္တရာတို့ကို ထုတ်လုပ်မည်ဖြစ်ကြောင်း။

(၄) ဓါတ်ဆီနှင့် ဒီဇယ်ဆီတို့၏ Specification များမှာ Euro IV Standard များဖြစ်ပြီး Product များဖြစ်သည့် လေယာဉ်ဆီနှင့် ရေနံဓါတ်ငွေ့ရည်တို့၏ Specification များမှာ MPE Specification များနှင့် နီးစပ်ကိုက်ညီမှုရှိကြောင်း။

(၅) မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ အမိန့်ကြော်ငြာစာအမှတ် ၁/၂၀၁၃ အရ ရေနံချက်စက်ရုံများတွင် MTBE သုံးစွဲ ထုတ်လုပ်မှုအား ပိတ်ပင် တားမြစ်ထားပါသည်။ အဆိုပါရေနံချက်စက်ရုံတွင် သဘာဝ ပတ်ဝန်းကျင်နှင့် ကျန်းမာရေးကို ထိခိုက်ပျက်စီးနိုင်သည့် အောက်တိန်းအမှတ်မြင့်ဓါတ်ဆီ ထုတ်လုပ်ရာတွင် သုံးစွဲသည့် MTBE Unit အား တည်ဆောက်တပ်ဆင်ထားခြင်းမရှိကြောင်း စိစစ်တွေ့ရှိရပါသည်။ အောက်တိန်းအမှတ်မြင့်ဓာတ်ဆီထုတ်လုပ်ရေးအတွက် Fluidized Catalytic Cracking (FCC) Plant နှင့် Isomerization unit တို့ကို တပ်ဆင်အသုံးပြုထားကြောင်း စိစစ်တွေ့ရှိရပါသည်။

(၆) ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးလုပ်ငန်းစဉ်များအနေဖြင့် ရေဆိုးသန့်စင်ရေးစက်ရုံနှင့် လေထုညစ်ညမ်းမှုလျှော့ချရေးအတွက် ဆောင်ရွက်မည့် နည်းစဉ်များ၊ Solid Waste ဖြစ်သည့် Spent Catalyst များအား Manufacture Recovery ပြုလုပ်ခြင်းနှင့် စနစ်တကျ စွန့်ပစ်မည့်အစီအမံများ ပါဝင်ကြောင်း၊ Chinese Standardများနှင့်အညီ စွန့်ပစ်မည့် Waste Emission စံချိန်စံညွှန်းများကို တင်ပြထားကြောင်း၊ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးနှင့် သစ်တောရေးရာဝန်ကြီးဌာနမှ National Environmental Quality

(Emission) Guideline အား ၂၀၁၅ ခုနှစ်၊ ဒီဇင်ဘာလတွင် ထုတ်ပြန်ထားပြီးဖြစ်သဖြင့်အဆိုပါ စံချိန်စံညွှန်းများအတိုင်း လိုက်နာဆောင် ရွက်ရန်လိုအပ်မည်ဖြစ်ပါကြောင်း၊ မီးဘေးအန္တရာယ် နှင့် လုပ်ငန်းခွင် အန္တရာယ်ကင်းရှင်းရေး(Firefighting and HSE) တို့အတွက် Chinese Standard များနှင့် အညီဆောင်ရွက်မည်ဖြစ်ကြောင်း။

(၇) အဆိုပြုလွှာပါ နည်းပညာဆိုင်ရာ အချက်အလက်များသည် အခြေခံရေနံချက်လုပ်မှုနည်းစဉ် (Conceptual Refining Technology) များ ဖြစ်သဖြင့် Detail Engineering Design ရေးဆွဲပြီးပါက နည်းပညာပိုင်းဆိုင်ရာ အချက်အလက်များကို ကျွမ်းကျင်မှုပညာရှင်များမှ ပြန်လည်စိစစ်ရန် လိုအပ်မည်ဖြစ်ပါကြောင်းသဘောထားပြန်ကြားလာပါသည်။

နောက်ဆက်တွဲ-ဂ

၁၁။ Guangdong Zhenrong Energy Co., Ltd. မှ ကုမ္ပဏီ Profile၊ လုပ်ငန်းလိုင်စင်နှင့်အတူ ငွေကြေးအထောက်အထားအဖြစ် Guangdong Zhenrong Energy Co., Ltd. သည် ၂၅-၃-၂၀၁၅ ရက်စွဲဖြင့် တရုတ်ယွမ်ငွေ ၂၄၂,၀၉၂,၉၇၀.၁၄ (ယူရို ၁၅၀,၂၁၅,၀၂၉.၄၅) ရှိကြောင်း Industrial and Commercial Bank of China (ICBC)မှ အထောက်အထားမိတ္တူများ တင်ပြထားပါသည်။ Longwin Global Pterochemical Co., Ltd. ၏ ကုမ္ပဏီအမည်စစ် အထောက်အထား မိတ္တူပူးတွဲတင်ပြထားပါသည်။

၁၂။ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်မှ ကုမ္ပဏီမှတ်ပုံတင်အမှတ်- ၂၈/၁၉၉၀-၁၉၉၁ (၂၇-၄-၁၉၉၀) ဖြင့် ဖွဲ့စည်းထားကြောင်း အထောက်အထားမိတ္တူနှင့်အတူ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်သည် ၃၀-၈-၂၀၁၂ ရက်စွဲဖြင့် စာရင်းအမှတ်- FUI 100025 တွင် ၁၄,၄၁၈,၁၄၈.၇၅ ရှိကြောင်းနှင့် စာရင်းအမှတ်- FDU 100003 တွင် US$ ၁၁,၅၅၂,၅၉၇.၈၈ ရှိကြောင်း Myanma Investment and Commercial Bank ၏ ထောက်ခံစာမိတ္တူ၊ ၃၀-၈- ၂၀၁၂ ရက်စွဲဖြင့် စာရင်းအမှတ်- IEA 0400267 တွင် ယူရို ၇၅၂,၂၉၀.၂၁ ရှိကြောင်းနှင့် စာရင်းအမှတ်- IDAC 492119 တွင် US$ ၂,၇၅၂,၅၃၀.၂၇ သန်းရှိကြောင်း Myanma Foreign Trade Bank ၏ ထောက်ခံစာမိတ္တူတို့ကို တင်ပြထားပါသည်။

၁၃။ Yangon Engineering Group Company Limited (ရန်ကုန်အင်ဂျင်နီယာအုပ်စုကုမ္ပဏီ) ၏ ကုမ္ပဏီမှတ်ပုံတင်အမှတ် ၅၂၂၉/၂၀၁၂-၂၀၁၃(၇-၃-၂၀၁၃)ဖြင့် ဖွဲ့စည်းထားကြောင်း

အထောက်အထားမိတ္တူနှင့် ၅-၅-၂၀၁၅ ရက်စွဲဖြင့် ကျပ် ၁၀၀,၀၀၀ ရှိကြောင်း Asia Green Development Bank (ဆူးလေဘဏ်ခွဲ)၏ ထောက်ခံစာမိတ္တူတို့ကို တင်ပြထားပါသည်။

၁၄။ Memorandum of Understanding (MOU) ကို ၂၀၁၀ ခုနှစ် ဩဂုတ်လ ၂၄ ရက်နေ့တွင် လက်မှတ်ရေးထိုးပြီး သက်တမ်းတိုးအနေဖြင့် ၂၀၁၂ ခုနှစ် ဖေဖော်ဝါရီလ ၂၃ ရက်နေ့ အထိ သက်တမ်းရှိကြောင်းနှင့် Memorandum of Agreement (MOA) ကို ၂၀၁၂ ခုနှစ် ဇန်နဝါရီလ ၂၆ ရက်နေ့တွင် အသီးသီးလက်မှတ်ရေးထိုးပြီးကြောင်း အထောက်အထားမိတ္တူတို့ကို တင်ပြထားပါသည်။

၁၅။ သင်္ဘောမှ ပိုက်လိုင်းသို့သယ်ယူမည့် နည်းလမ်း၊ သင်္ဘောမှ အတင်/အချ ပြုလုပ်ပုံ၊ ပိုက်လိုင်းအရှည်/အကျယ်နှင့်တကွ ရေနံစိမ်းသယ်ယူပို့ဆောင်မည့်နေရာရှိအနီး ပတ်ဝန်းကျင်အနေအထားအား မြေပုံဖြင့်တင်ပြထားပါသည်။

၁၆။ မြေပိုင်ဆိုင်မှု အထောက်အထားအားဖြင့် စက်မှုဝန်ကြီးဌာနမှ လောင်းလုံဆီအုန်း စက်ရုံအား လွှဲပြောင်းသည့် (နိုတီ) အထောက်အထားပါရှိပြီး စုစုပေါင်းကျပ် ၂၆၀၃.၂၅၄၆သန်း ဖြင့် မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်သို့ မြန်မာ့ဆေးဝါးနှင့် စားသောက်ကုန်လုပ်ငန်းမှ တနင်္သာရီတိုင်းဒေသကြီး၊ ထားဝယ်ခရိုင်၊ လောင်းလုံမြို့နယ်ရှိ စုစုပေါင်းမြေ ၁၆၃၆.၁၄ ဧက (ဆီအုန်းပင် မြေ ၁၆၁၁.၃၇ ဧက + ဆီအုန်းစက်ရုံမြေ ၂၄.၇၇ ဧက) အား ရောင်းချကြောင်း၂၀၁၂ ခုနှစ် မတ်လ ၁၆ ရက်နေ့ရက်စွဲပါစာဖြင့် တင်ပြထားပါသည်။ (စာချုပ် (မိတ္တူမှန်)မပါရှိပါ)

၁၇။ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်မှ စက်ရုံတည်ဆောက်ရေးလုပ်ငန်း၏ ပထမအဆင့်အနေဖြင့် လိုအပ်မည့် မြေနေရာ ဖြစ်သည့် ဆီအုန်းခြံ အကွက်အမှတ် (၁) လောင်းလုံးခြံ (၃၃) ဧက၊ ဆီအုန်းခြံ အကွက်အမှတ် (၄) ရေပြတ်ချောင်းခြံ (၆၀) ဧက၊ အကွက်အမှတ် (၅) လေးသွန်း ခံခြံ (၂၀၀) ဧက၊ အကွက်အမှတ် (၆) ဂေါ့အင်းခြံ (၄၀) ဧက၊ **စုစုပေါင်း (၃၃၃) ဧက** အား မြေပုံရေးကူးဆောင်ရွက်ခွင့်နှင့် စက်မှုမြေအဖြစ် အသုံးပြုခွင့်တို့အတွက် ၂၀၁၃ ခုနှစ် နိုဝင်ဘာလ ၂၆ ရက်နေ့ ရက်စွဲဖြင့် တနင်္သာရီတိုင်းဒေသကြီးအစိုးရအဖွဲ့ရုံးသို့ လျှောက်ထားသည့်စာနှင့်အတူ တနင်္သာရီတိုင်းဒေသကြီးအစိုးရအဖွဲ့ရုံးမှ **အဆိုပါမြေ ၃၃၃ဧက**အား ၂၀၁၄ ခုနှစ် ဒီဇင်ဘာလ ၂၄ ရက်နေ့ ရက်စွဲဖြင့် မြေစာရင်းပုံစံ (၁၀၅) ရေးကူးခွင့်ပြုကြောင်း တနင်္သာရီတိုင်းဒေသကြီးမြေစာရင်း ဦးစီးဌာနသို့ ပေးပို့သည့်အကြောင်းကြားစာ မိတ္တူအား တင်ပြထားပါသည်။

၁၈။ လျှပ်စစ်ဓာတ်အားသုံးစွဲမှုစီမံချက်အနေနှင့် ကုမ္ပဏီမှ ပုံမှန်လျှပ်စစ်ဓာတ်အားကို သုံးစွဲမည်ဖြစ်ပြီး ပုံမှန်လျှပ်စစ်ဓာတ်အား ရရှိမှု မလုံလောက်ပါက 25,000 kW Turbine Generator ၄လုံး၊ 2,400 kw Diesel Generator ၂ လုံး၊ 1,800 kw Diesel Generator ၈ လုံးတို့အား သုံးစွဲမည်ဖြစ်ကြောင်း တင်ပြထားပါသည်။

၁၉။ ကုမ္ပဏီမှ လူမှုရေးဆိုင်ရာ တာဝန်ယူမှုများ (Corporate Social Responsibility-CSR) အတွက် နိုင်ငံတော်အတွက် အခွန်ဘဏ္ဍာငွေများ ထမ်းဆောင်ပြီးနောက် ကျန်ရှိသောအသားတင်အမြတ်၏ ၂ % ကိုထားရှိပြီး ကျန်းမာရေးဝန်ဆောင်မှုလုပ်ငန်း၊ လယ်ယာစိုက်ပျိုးရေးလုပ်ငန်း၊ ပညာရေး၊ လမ်းပန်းဆက်သွယ်ရေး အခြေအနေများတိုးတက်ကောင်းမွန်အောင်လုပ်ဆောင်ခြင်း၊ ဒေသအလုပ်အကိုင် အခွင့်အလမ်းများဖန်တီးပေးခြင်း၊ စိုက်ပျိုးရေးနည်းစနစ်များ တိုးတက်ကောင်းမွန်အောင်ထောက်ပံ့ပေးခြင်း၊ လှူဒါန်းပေးခြင်းများ ပြုလုပ်ပေးမည်ဖြစ်ကြောင်းတင်ပြထားပါသည်။

၂၀။ ရေသန့်စင်မှုစနစ်ကောင်းမွန်စေရန် စီမံကိန်းချမှတ်ဆောင်ရွက်မည်ဖြစ်ကြောင်း၊ ရေစီးဆင်းမှုကောင်းမွန်အောင်နှင့် ရေပေးဝေမှုလောက်ငှအောင် သတ်မှတ်စံချိန်စံညွှန်းများနှင့်အညီ လိုက်နာဆောင်ရွက်မည်ဖြစ်ကြောင်း တင်ပြထားပါသည်။ အမှိုက်စွန့်ပစ်မှုစနစ်အနေဖြင့် စွန့်ပစ်ပစ္စည်းများကို စနစ်တကျအမျိုးအစားခွဲခြားပြီး စနစ်တကျစီမံခန့်ခွဲသွားမည်ဖြစ်ကြောင်း Product purification unit မှ ထွက်ရှိသော အန္တရာယ်ရှိ ဓာတုပစ္စည်းများအား စီမံကိန်း၏ WWTP tank oil sludge သို့ ထည့်၍ ဓာတ်ပြယ်အောင် ပြုလုပ်ပြီးမှ စွန့်ပစ်မည်ဖြစ်ကြောင်း တင်ပြထားပါသည်။

၂၁။ နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဥပဒေအခွန်ဆိုင်ရာ ကင်းလွတ်ခွင့်နှင့် သက်သာခွင့်များကို ခံစားခွင့်ပြုရန် တင်ပြထားပါသည်။

၂၂။ အဆိုပါလုပ်ငန်းသည် မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်မှ ၅၀/၂၀၁၄ ဖြင့် ထုတ်ပြန်ထားသည့် ပတ်ဝန်းကျင်ထိခိုက်မှုဆန်းစစ်ချက်ရယူရန် လိုအပ်သည့်စီးပွားရေးလုပ်ငန်း အမျိုးအစားဖြစ်ပါသည်။

၂၃။ အဆိုပြုချက်စိစစ်ရေးအဖွဲ့၏ ၂၀၁၆ ခုနှစ် ဖေဖော်ဝါရီလ ၂၉ ရက်နေ့တွင် ကျင်းပသော ၉/၂၀၁၆ ကြိမ်မြောက် အစည်းအဝေးသို့ တင်ပြခဲ့ပါသည်။

၂၄။ **စိစစ်တင်ပြချက်**

(က) စွမ်းအင်ဝန်ကြီးဌာန၊ Guangdong Zhenrong Energy Co., Ltd.၊ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်၊ Yangon Engineering Group Co., Ltd. တို့

အကြားချုပ်ဆိုသော ဖက်စပ်စာချုပ်(မူကြမ်း)အပေါ် ပြည်ထောင်စုရှေ့နေချုပ်ရုံး၊ ပြည်ထောင်စုစာရင်းစစ်ချုပ်ရုံး၊ ဘဏ္ဍာရေးဝန်ကြီးဌာန၊ အမျိုးသားစီမံကိန်းနှင့် စီးပွားရေးဖွံ့ဖြိုးတိုးတက်မှုဝန်ကြီးဌာနနှင့် မြန်မာနိုင်ငံတော်ဗဟိုဘဏ်တို့၏ သဘောထားမှတ်ချက်များရရှိပြီးဖြစ်ပါသည်။

(ခ) Longwin Global Petrochemical Co., Ltd. ၏ ရင်းနှီးမြှုပ်နှံမှုပမာဏ US$ ၂,၆၀၃ သန်းတွင် ဘဏ်ချေးငွေ US$ ၂,၀၈၂ သန်း (စုစုပေါင်း ရင်းနှီးမြှုပ်နှံမှု ၏ ၈၀%) နှင့် Equity US$ ၅၂၁ သန်း (စုစုပေါင်း ရင်းနှီးမြှုပ်နှံမှု၏ ၂၀%) ပါဝင်ပါသည်။ ဘဏ်ချေးငွေနှင့် ပတ်သက်၍ China Development Bank မှ GDZR Co., Ltd. သို့ ၂၀၁၄ ခုနှစ် စက်တင်ဘာလ ၁၇ ရက်နေ့ ရက်စွဲပါစာဖြင့် ထုတ်ပေးထားသော Loan Commitment Letter ပူးတွဲတင်ပြထားပါသည်။ အဆိုပြုချက်ပုံစံ (အပိုင်း-III) Annex-16 တွင် Loan Repayment Schedule ပူးတွဲတင်ပြထားပါသည်။

(ဂ) မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက် မှ အဆိုပြုလုပ်ငန်းနှင့် စပ်လျဉ်း၍ ဆိပ်ခံတံတားမှ စက်ရုံအထိ ဖောက်လုပ်မည့်လမ်းအတွက် မြေကိစ္စနှင့် ပတ်သက်၍ အောက်ပါအတိုင်း တင်ပြလာပါသည်-

(၁) ရေနံချက်စက်ရုံစီမံကိန်းအတွက် ရေနံတင်/ချမည့် ဆိပ်ကမ်းမှ စက်ရုံအထိ ပိုက်လိုင်းဆက်သွယ်ရန်နှင့် ယာဉ်များသွားလာရန် အကျယ် ၃၀မီတာခန့်နှင့် အရှည် ၄.၂၅ မိုင်ခန့် (၆.၈ ကီလိုမီတာခန့်) ရှိမည့် လမ်းအတွက် အသုံးပြုရန်မြေ ၁၁၀.၃၉၇ ဧကခန့် လိုအပ်လျက်ရှိပြီး လမ်းဖောက်လုပ်ရန် အသုံးပြုမည့်မြေဧရိယာတွင် မြန်မာ့စီးပွားရေးဦးပိုင် လီမိတက်ပိုင် ဆီအုန်းခြံအမှတ် (၄) နယ်နိမိတ် အဆုံးမှ ၂ ကီလိုမီတာ ခန့်အထိသည် ဒေသခံများပိုင်ဆိုင်သည့် ဥယျာဉ်ခြံမြေ၊ ၎င်းမှ ၆.၈ ကီလိုမီတာခန့်အထိ ဒေသခံများပိုင်ဆိုင်သည့် ဥယျာဉ်မြေများဖြစ်ပြီး ဆိပ်ကမ်းဧရိယာအတွက် အသုံးပြုမည့်မြေမှာ ၆၂.၂၉၅ဧက ခန့်ဖြစ်သည့်အတွက် လမ်းနှင့်ဆိပ်ကမ်းဧရိယာအတွက် အသုံးပြုမည့်မြေမှာ စုစုပေါင်း ၁၇၂.၆၉၂ ဧက ဖြစ်ကြောင်း တင်ပြထားပါသည်။

(၂) လမ်းဖောက်လုပ်ရန်အတွက် အသုံးပြုမည့်မြေဧရိယာများအတွင်း ပါဝင်သည့် ဥယျာဉ်ခြံမြေများအတွက် ကာလပေါက်စျေးထက် မနည်းသောစျေးနှုန်းဖြင့် လျော်ကြေးငွေပေးချေရန် ကြိုတင်ညှိနှိုင်းခြင်းများ ဆောင်ရွက်ခဲ့ရာ သဘောတူညီမှုများ ရရှိခဲ့ပြီး ဖြစ်ကြောင်းတင်ပြထားပါသည်။

(၃) မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ ခွင့်ပြုမိန့်ရရှိပြီးပါက ဒေသအာဏာပိုင် အဖွဲ့အစည်းများ၊ ဥယျာဉ်ခြံမြေပိုင်ရှင်များနှင့် ညှိနှိုင်းဆောင်ရွက်ပြီး လိုအပ်သည့်မြေများ တိုင်းတာခြင်း၊ ကာလပေါက်စျေးထက်မနည်းသောစျေးနှုန်းဖြင့် လျော်ကြေးငွေပေးချေခြင်းများ ဆက်လက်ဆောင်ရွက်သွားမည်ဖြစ်ကြောင်း တင်ပြထားပါသည်။

(ဃ) ထို့ပြင် မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်မှ ရေနံချက်စက်ရုံ၏ ပင်မအဆောက်အဦများ၊ Waste Water Treatment Plant Warehouse များနှင့် Tank Farm တို့ကို ဧရိယာတစ်ခုတည်းတွင် စုစည်းတည်ဆောက်နိုင်ရန်အတွက် Design ရေးဆွဲခဲ့ရာ လောင်းလုံးမြို့မှ ကျောက်နီမော်သို့ ဆက်သွယ်သည့် ကားလမ်း၏ ၁.၃ မိုင်ရှည်လျားသည့် လမ်းပိုင်းသည် စက်ရုံဧရိယာအတွင်း ကျရောက်နေသည့်အတွက် အဆိုပြုလုပ်ငန်းတွင် ပါဝင်သည့် တာဝန်ရှိသူများသည် ၂၀၁၆ ခုနှစ် မတ်လ ၈ ရက်နေ့တွင် ဆောက်လုပ်ရေးဝန်ကြီးဌာနသို့ တင်ပြဆွေးနွေးမှုခဲ့ရာ ကားလမ်းပိုင်းကို စက်ရုံဧရိယာအတွင်းသို့ ထည့်သွင်းခြင်းမပြုဘဲ ထိုလမ်း၏ တစ်ဖက်တစ်ချက်စီတွင်စက်ရုံနှင့် ဆက်စပ်အဆောက်အဦများ ဆောက်လုပ်သင့်ကြောင်း၊ လမ်း၏အပေါ်ဘက်မှ Overhead Pipe Line များဆက်သွယ်ခြင်းနှင့် လမ်း၏အောက်ဖက်မှ Underground Pipe Line များဆက်သွယ်ခြင်းကိုမူ ခွင့်ပြုနိုင်မည်ဖြစ်ကြောင်း ဆွေးနွေးလမ်းညွှန်၍ ကားလမ်းအရှေ့ဘက်ခြမ်း၊ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်ပိုင် ဆီအုန်းခြံအမှတ်-၅ အတွင်း ရေနံချက်စက်ရုံ၏ ပင်မအဆောက်အဦများနှင့် Tank Farm အချို့ကို တည်ဆောက်ရန်နှင့် လမ်းအနောက်ဘက်ခြမ်း၌ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်ပိုင် ဆီအုန်းခြံအမှတ်-၄ အတွင်းတွင် waste Water Treatment Plant၊ Warehouse များနှင့်၊ Tank Farm အချို့ကို တည်ဆောက်ရန် Design အသစ်ထပ်မံရေးဆွဲခဲ့ရာ လောင်းလုံး-ကျောက်နီမော်

ကားလမ်း၏ ၁.၃မိုင် ခန့်ရှည်သော လမ်းအပိုင်းကို စီမံကိန်းတည်ဆောက်မှု အတွက် တောင်းခံမည့်အစီအစဉ်နှင့် လမ်းလွှဲဖောက်မည့် အစီအစဉ်တို့ကို ပယ်ဖျက်ပါကြောင်း ပြင်ဆင်တည်ဆောက်မည့် စက်ရုံဧရိယာ Design အသစ်ဖြင့် ၂၀၁၆ ခုနှစ် မတ်လ ၁၅ ရက်နေ့ ရက်စွဲပါစာဖြင့် ပြန်လည်တင်ပြလာပါသည်။

ဆုံးဖြတ်ရန်အချက်

၂၅။ Longwin Global Petrochemical Co., Ltd. မှ တနင်္သာရီတိုင်းဒေသကြီး၊ ထားဝယ်ခရိုင်၊ လောင်းလုံမြို့ရှိ မြေ ၇၃၃.၃ ဧက (၂,၉၆၇,၅၆၂.၄၃၈ စတုရန်းမီတာ) တွင် တစ်နှစ်လျှင် မက်ထရစ်တန် ၅ သန်းခန့်ထွက်ရှိမည့် ရေနံချက်စက်ရုံနှင့်ရေနံတင်/ချဆိပ်ကမ်း တည်ဆောက်၍ ရေနံထွက်ပစ္စည်းများ တင်ပို့ရောင်းချခြင်းလုပ်ငန်းနှင့်စပ်လျဉ်း၍ ခွင့်ပြုမိန့်ထုတ်ပေးရန် သဘောတူ-မတူ။

ဦးကျော်ဌေး(ကိုယ်စား)
(မြသူဇာ၊ တွဲဖက်အတွင်းရေးမှူး)

နောက်ဆက်တွဲ (

တနင်္သာရီတိုင်းဒေသကြီးအစိုးရအဖွဲ့
စာအမှတ်..........
ရက်စွဲ..........
ထားဝယ်မြို့

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.3.16

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်
တိုင်းဒေသကြီးအစိုးရအဖွဲ့
တနင်္သာရီတိုင်းဒေသကြီး

စာအမှတ်၊ ၁၃၀၅ / ၇၄၆/ ၇-၄၆/အဖရ(တနင်္သာရီ)
ရက် စွဲ ၊ ၂၀၁၆ ခုနှစ်၊ ဖေဖော်ဝါရီလ ၂၆ ရက်

သို့

ဥက္ကဋ္ဌ
မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်
ရန်ကုန်မြို့

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3.16

အကြောင်းအရာ။ **သဘောထားမှတ်ချက်တောင်းခံလာခြင်းကိစ္စ**

ရည် ညွှန်း ချက် ။ မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ (၁၈-၂-၂၀၁၆)ရက်စွဲပါစာအမှတ်၊ ရက-၅(စ)/ ၀၁၅/ ၂၀၁၆(၀၆၅)

၁။ စွမ်းအင်ဝန်ကြီးဌာနမှ (၃.၅%)၊ တရုတ်ပြည်သူ့သမ္မတနိုင်ငံ Guangdong Zhenrong Energy Co.,Ltd မှ (၇၀%)၊ မြန်မာနိုင်ငံမှ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်မှ (၂၀%)နှင့် Yangon Engineering Group Co.,Ltd မှ (၆.၅%) ထည့်ဝင်၍ ဖက်စပ်နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဖြင့် မြန်မာနိုင်ငံတွင် Longwin Global Petrochemical Co.,Ltd တည်ထောင်ပြီး ထားဝယ်ခရိုင်၊ လောင်းလုံးမြို့နယ်တွင် တစ်နှစ်လျှင် မက်ထရစ်တန်ချိန်(၅)သန်းခန့်ထွက်ရှိမည့် ရေနံချက်စက်ရုံ စီမံကိန်းကို နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဥပဒေနှင့်အညီ ဆောင်ရွက်လုပ်ကိုင်ခွင့်ပြုပါရန် အဆိုပြုတင်ပြလာမှုအပေါ် သဘောထားမှတ်ချက်အား ပြန်ကြားပေးနိုင်ပါရန် ရည်ညွှန်းပါစာဖြင့် ညှိနှိုင်းလာပါသည်။

၂။ အထက်ပါ အဆိုပြုတင်ပြထားသည့် ထားဝယ်ခရိုင်၊ လောင်းလုံးမြို့နယ်တွင် တစ်နှစ်လျှင် မက်ထရစ်တန်ချိန်(၅)သန်းခန့်ထွက်ရှိမည့် ရေနံချက်စက်ရုံ စီမံကိန်းလုပ်ငန်းများအပေါ် သဘောထားမှတ်ချက်တောင်းခံလာမှုနှင့်စပ်လျဉ်း၍ အောက်ပါအတိုင်း စိစစ်တွေ့ရှိရပါသည်-

(က) ရင်းနှီးမြှုပ်နှံမှုပြုလုပ်မည့်နေရာသည် နောင်ပြုလုပ်မည့် (သို့မဟုတ်)လက်ရှိ မြို့ပြစီမံကိန်းကို ထိခိုက်ခြင်း မရှိကြောင်း၊

(ခ) မြို့နယ်ဒေသ အလုပ်အကိုင်အခွင့်အလမ်းနှင့် ဒေသစီးပွားရေးဖွံ့ဖြိုးတိုးတက်မှုအတွက် အထောက်အကူဖြစ်ကြောင်း၊

(ဂ) ဖော်ပြပါမြေနေရာအား အဆိုပြုလုပ်ငန်းဆောင်ရွက်ခြင်းအပေါ် ဒေသခံအများစုက လူမှုရေး၊ စီးပွားရေးနှင့် သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းမှုတို့အရ လက်ခံနိုင်မှုရှိကြောင်း၊

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(ဃ) လုပ်ငန်းဆောင်ရွက်မည့်နေရာသည် မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက် ပိုင်ဆိုင်သော ဆီအုန်းခြံ(၉)ခြံ၊ မြေဧရိယာ(၁၆၃၆.၁၄)ဧကအတွင်း ပါဝင်ပြီး ရေနံချက်စက်ရုံ စီမံကိန်းအတွက် မြေဧရိယာ(၃၃၃)ဧကသာ အသုံးပြုမည်ဖြစ်ကြောင်း။

၃။ အဆိုပြုတင်ပြထားသည့် ရေနံချက်စက်ရုံစီမံကိန်းနှင့် ပတ်သက်၍ (၂၅-၂-၂၀၁၆)ရက်နေ့တွင် ကျင်းပပြုလုပ်သော တနင်္သာရီတိုင်းဒေသကြီးအစိုးရအဖွဲ့ အစည်းအဝေးအမှတ်စဉ်(၄/ ၂၀၁၆) သို့ တင်ပြခဲ့ရာ စီမံကိန်းအား အကောင်အထည်ဖော်ဆောင်ရွက်ခြင်းအားဖြင့် ဒေသ၏စီးပွားရေး ဖွံ့ဖြိုးတိုးတက်လာမည်ဖြစ်ခြင်း၊ အလုပ်လက်မဲ့များ လျော့ကျလာမည်ဖြစ်ခြင်း၊ ဒေသ၏ဂျီဒီပီ တိုးတက်မြင့်မားလာစေပြီး ဒေသခံများ၏လူနေမှုဘဝမြင့်မားတိုးတက်လာမည်ဖြစ်ခြင်း၊ လောင်စာဆီ ဈေးနှုန်းများလျော့ကျလာပြီး အသေးစားနှင့်အလတ်စားစက်မှုလုပ်ငန်းများ တိုးတက်ဖြစ်ထွန်းလာမည်ဖြစ်ခြင်းတို့ကြောင့် ဆုံးဖြတ်ချက်အပိုဒ်(၂၇)အရ **"ကန့်ကွက်ရန်မရှိပါကြောင်း"** သဘောထား ပေးပို့အပ်ပါသည်။

(မြတ်ကို)
ဝန်ကြီးချုပ်

မိတ္တူကို

လက်ခံစာတွဲ

မျှောစာတွဲ

နောက်ဆက်တွဲ (ε

ပို့ဆောင်ရေးဝန်ကြီးဌာန
ဝန်ကြီးရုံး
ခွဲ(၁)

M4-164
4.3.16

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
ပို့ဆောင်ရေးဝန်ကြီးဌာန
ဝန်ကြီးရုံး

စာအမှတ်၊ ၅၂-ပဆ/ခွဲ(၁) ၂၀၁၆(ည)(၃ / ၂၃)
ရက်စွဲ ၊ ၂၀၁၆ ခုနှစ်၊ မတ်လ ၁ ရက်

သို့

မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်

အကြောင်းအရာ။ **သဘောထားမှတ်ချက်ပြန်ကြားခြင်း**

ရည် ညွှန်း ချက် ။ မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ ၁၉.၂.၂၀၁၆ ရက်စွဲပါ စာအမှတ်၊ ရက-၅(စ)/၀၁၅/၂၀၁၆(၀၇၀)

၁။ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်သည် Yangon Engineering Group၊ တရုတ်ပြည်သူ့သမ္မတနိုင်ငံမှ Guang Dong Zhen Rong Co., Ltd. (GDZR) တို့နှင့် အကျိုးတူပူးပေါင်း၍ တစ်နှစ်လျှင် ရေနံစိမ်း တန်ချိန်(၅)သန်း ချက်လုပ်နိုင်သော ရေနံချက်စက်ရုံ တည်ဆောက်ရေး စီမံကိန်းကို တနင်္သာရီတိုင်းဒေသကြီး၊ ထားဝယ်ခရိုင်၊ လောင်းလုံမြို့နယ်တွင် စုစုပေါင်း (၆၂.၃) ဧက အကျယ်အဝန်းရှိ ရေနံတင်/ချ ဆိပ်ခံတံတားကို တည်ဆောက်လုပ်ကိုင်မည့် ကိစ္စနှင့်စပ်လျဉ်း၍ သဘောထားမှတ်ချက်အား ရက်သတ္တပတ်တစ်ပတ်အတွင်း ပြန်ကြားပေးပါရန် ရည်ညွှန်းပါစာဖြင့် မေတ္တာရပ်ခံသောပါသည်။

၂။ မြန်မာနိုင်ငံသည် အပြည်ပြည်ဆိုင်ရာ ရေကြောင်းအဖွဲ့ချုပ်၏ အဖွဲ့ဝင်နိုင်ငံ တစ်ခုဖြစ်သည့်အားလျော်စွာ အပြည်ပြည်ဆိုင်ရာရေကြောင်းအဖွဲ့ချုပ် (IMO) ၏ International Ship and Port Facility Security Code - ISPS Code ပါ လိုအပ်ချက်များအတိုင်း အပြည်ပြည်ဆိုင်ရာဆိပ်ကမ်းများတွင် ဖြည့်ဆည်းဆောင်ရွက်ထားရန် လိုအပ်မည် ဖြစ်ပါသည်။ ထို့အပြင် လုံခြုံရေးအရာရှိနှင့် ဝန်ထမ်းများအတွက် ISPS Code ပါ လိုအပ်ချက်များအတိုင်း လေ့ကျင့်သင်ကြားပေးမှုနှင့် ကိုင်ဆောင်ရမည့်လက်မှတ်များ ကိုင်ဆောင်ထားရှိရန်လည်း လိုအပ်လာမည် ဖြစ်ပါသည်။ ISPS Code နှင့် ပြည့်စုံသော Port Security Plan ရေးဆွဲ၍ Plan ပါ အချက်များပြည့်စုံအောင် ဆောင်ရွက်ထားမှသာလျှင် “Compliance Certificate” အား ထုတ်ပေးနိုင်မည် ဖြစ်ပါသည်။

၃။ ဆိပ်ခံတံတားလုပ်ငန်းဆိုင်ရာ တင်ပြချက်တွင် DWT တန်ချိန် (၁၅၀,၀၀၀) ရှိသော ရေနံစိမ်း (Crude Oil) တင် သင်္ဘောကြီးများနှင့် DWT (၃၀,၀၀၀) , (၂၀,၀၀၀) ရှိသော ရေနံကုန်ချောတင်ဆောင်မည့် သင်္ဘောများ ဝင်ရောက်ဆိုက်ကပ် အသုံးပြုမည်ဟု ဖော်ပြထားသည့် အတွက် ဆီယိုဖိတ်မှု မတော်တဆ ဖြစ်မှုများ ဖြစ်ပွားလာပါက အရေးပေါ် အစီအစဉ်များ ချမှတ်အကောင်အထည်ဖော်နိုင်မည့် Oil Spill Contingency Plan အား ရေးဆွဲတင်ပြရန်နှင့် ဆိပ်ကမ်းအတွင်း ဆီယိုဖိတ်မှုဖြစ်စဉ် ဖြစ်လာပါက အရေးပေါ် ဆောင်ရွက်နိုင်ရန် Oil Booms များ၊ Skimmer စက်များ၊ Operate လုပ်နိုင်မည့် ပညာရှင်

အပါအဝင် လူအင်အားနှင့် ပစ္စည်းများအား Handle လုပ်နိုင်မည့် ပညာရှင်အပါအဝင် လူအင်အားနှင့် ပစ္စည်းများအား Handle လုပ်နိုင်မည့် Tug Boat များပါ ဖြည့်ဆည်းထားရန် လိုအပ်ပါသည်။

၄။ မြန်မာနိုင်ငံသည် MARPOL Annex I, II ကိုသာ လက်မှတ်ရေးထိုးထားပြီး ကျင့်သုံးနေသော်လည်း ယခုကဲ့သို့ ရေနံ တင်/ချ ဆိပ်ကမ်းကြီးများ ပေါ်ပေါက်လာပါက လိုအပ်သော OPRC Convention, CLC Convention, Bunker Convention, Fund Convention များကိုလည်း အမြန်ရေးထိုးနိုင်ရေး ဆောင်ရွက်လျက်ရှိရာ ထုတ်ပြန်လာမည့် ဥပဒေ၊ နည်းဥပဒေများ၊ လုပ်ထုံးလုပ်နည်းများကိုလည်း လိုက်နာရန်နှင့် လိုအပ်ချက်များ ဖြည့်ဆည်းပေးရန် တာဝန်ရှိကြောင်းလည်း ကြိုတင်အသိပေးထားသင့်ပါသည်။

၅။ မြန်မာနိုင်ငံအနေဖြင့် Fund Convention အား အတည်ပြုလက်မှတ်ရေးထိုးပြီးချိန်တွင် ဆီမတော်တဆ ယိုဖိတ်မှုကိစ္စများအတွက် ဆီလက်ခံသည့် နိုင်ငံမှ ရန်ပုံငွေထည့်ဝင်ခြင်းကို ဆောင်ရွက်ရမည်ဖြစ်ရာ အဆိုပါ ကိစ္စအတွက် ကြိုတင်ပြင်ဆင် စီစဉ်ထားသင့်ပါသည်။

၆။ ထားဝယ်ရေနံချက်စက်ရုံ စီမံကိန်းဆိပ်ခံတံတားသည် တနင်္သာရီကမ်းရိုးတန်းတွင် တည်ရှိနေသည့်အတွက် လိုအပ်သော ဆန်းစစ်ချက် Report များ (EIA, SIA) ကိုလည်း ကြိုတင်ရေးဆွဲပြီး၊ ဒေသခံများအတွက် အသိပညာပေးလုပ်ငန်းများ ကြိုတင်ဆောင်ရွက်ထားရန်လည်း လိုအပ်လာမည် ဖြစ်ပါကြောင်းနှင့် ဆိပ်ကမ်းတည်ဆောက်မှုနှင့် သင်္ဘောကြီးများ ဝင်/ထွက်မှု အတွက် ဖြစ်ပေါ်လာမည့် ဒေသခံငါးဖမ်းလုပ်သားများ၏ နစ်နာမှုဖြစ်ပေါ်လာပါက ကြိုတင်ပညာပေး ညှိနှိုင်းထားရန်လည်း လိုအပ်မည်ဖြစ်ပါသည်။

၇။ Longwin Global Petrochemical Co., Ltd. မှ ရေနံတင်ဆိပ်ကမ်း တည်ဆောက်ရန်အတွက် ပုံစံဒီဇိုင်းများ ရေးဆွဲတင်ပြထားရာတွင် Crude Oil Jetty အား ပင်လယ်ပြင်ဘက်သို့ 1800 m ခန့် (ရေအနက် - 18.7 m)၊ Breakwater အား 1452 m(ရေအနက် - 14 m) ခန့်တွင် တည်ဆောက်မည်ဖြစ်ကြောင်း လေ့လာတွေ့ရှိရပါသည်။ ပင်လယ်ပြင်သို့ 1800 m ခန့် စွန်းထွက်နေခြင်းကြောင့် ၎င်းနေရာဝန်းကျင် ရေဒေသအား အသုံးပြုနေသော အဖွဲ့အစည်းများနှင့် ပုဂ္ဂလိကရေယာဉ်ပိုင်ရှင်များအနေဖြင့် ရေကြောင်းသွားလာရေးအတွက် လွတ်ကင်းမှု ရှိ /မရှိနှင့် ပတ်ဝန်းကျင်ထိခိုက်မှု ရှိ/မရှိ ညှိနှိုင်းသင့်ပါသည်။

၈။ အဆိုပါ ရေနံတင်ဆိပ်ကမ်း တည်ဆောက်ခြင်း ကိစ္စနှင့်ပတ်သက်၍ တနင်္သာရီတိုင်းဒေသကြီး အစိုးရအဖွဲ့၏ သဘောထားမှတ်ချက် တောင်းခံရန် လိုအပ်မည်ဖြစ်ပြီး ထားဝယ်ရေနက်ဆိပ်ကမ်း ဆောက်လုပ်ပြီးပါက ၎င်းဆိပ်ကမ်းသို့ Crude Oil နှင့် LNG ရေယာဉ်ကြီးများ ဝင်/ထွက်ရန် ရှိ/မရှိ၊ ရှိပါက လုပ်ငန်းသဘာဝတူမျိုး ဖြစ်နေနိုင်သဖြင့် ထားဝယ်အထူးစီးပွားရေးဇုန် စီမံခန့်ခွဲမှုကော်မတီသို့ပါ သဘောထားမှတ်ချက် တောင်းခံသင့်ပါသည်။

၄။ အဆိုပါ Crude Oil Jetty တွင် ဆိုက်ကပ်မည့်ရေယာဉ်များမှာ အပြည်ပြည်ဆိုင်ရာ ရေယာဉ်များဖြစ်သဖြင့် ဆောက်လုပ်မည့် ဆိပ်ကမ်းတံတားပုံစံကိုစွ၊ အပြည်ပြည်ဆိုင်ရာ ဆိပ်ကမ်းသတ်မှတ်ရန်ကိုစွ၊ ဆိပ်ကမ်းအခွန်အခ နှင့် Royalty Fees ကိစ္စ၊ ဆိပ်ကမ်းလုပ်ငန်း လုပ်ကိုင်ခွင့် လိုင်စင်ကိစ္စ စသည်တို့နှင့်ပတ်သက်၍ မြန်မာ့ဆိပ်ကမ်းအာဏာပိုင်နှင့် အသေးစိတ်ညှိနှိုင်းရန် လိုအပ်မည်ဖြစ်သည့် အပြင် ဆောက်လုပ်ပြီးစီးပါကလည်း မြန်မာ့ဆိပ်ကမ်းအာဏာပိုင်ဥပဒေကို လိုက်နာရန် လိုအပ်မည် ဖြစ်ပါကြောင်း သဘောထား ပြန်ကြားအပ်ပါသည်။

(signature)

ပြည်ထောင်စုဝန်ကြီး(ကိုယ်စား)
ဝင်းခန့် - အမြဲတမ်းအတွင်းဝန်

မိတ္တူကို -
- မြန်မာ့ဆိပ်ကမ်းအာဏာပိုင်
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နောက်ဆက်တွဲ (၄

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်
စွမ်းအင်ဝန်ကြီးဌာန
မြန်မာ့ရေနံဓာတုပေဒလုပ်ငန်း
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စာအမှတ်၊ ၇၆၃ / ၁၅၀၄(၁)/ ဗ၁ / ၂၀၁၆
ရက် စွဲ ၊ ၂၀၁၆ ခုနှစ်၊ မတ်လ၊ ၇ ရက်

သို့

မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်

အကြောင်းအရာ။ သဘောထားမှတ်ချက်ပြန်ကြားခြင်း

ရည်ညွှန်းချက်။ မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ ၃.၃.၂၀၁၆ ရက်စွဲပါစာအမှတ် ရက-၅(စ)/ ၁၀၅/၂၀၁၆(၁၁၇)

၁။ အထက်ပါကိစ္စနှင့်ပတ်သက်၍ ထားဝယ်ခရိုင်၊ လောင်းလုံမြို့နယ်တွင် တစ်နှစ်လျှင် မက်ထရစ်တန် ၅ သန်းခန့် ချက်လုပ်မည့် ရေနံချက်စက်ရုံ စီမံကိန်းအား နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဥပဒေနှင့်အညီ ဆောင်ရွက်ခွင့်ပြုနိုင်ပါရန် မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်သို့ တင်ပြခဲ့ရာ ကုမ္ပဏီမှထုတ်လုပ်မည့် ရေနံထွက်ပစ္စည်းများ၊ တင်သွင်းမည့်ကုန်ကြမ်းများ၊ ဓာတုပစ္စည်းများနှင့်ပတ်သက်သည့် အချက်အလက်များနှင့် စက်ရုံတည်ဆောက်မှုနှင့် ပတ်သက်သည့် နည်းပညာပိုင်းဆိုင်ရာကိစ္စရပ်များအပေါ် သဘောထားမှတ်ချက် ပြန်ကြားပေးပါရန် မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်မှ ရည်ညွှန်းပါစာဖြင့် တောင်းခံလာပါသည်။

၂။ အဆိုပါ ရေနံချက်စက်ရုံစီမံကိန်းအဆိုပြုလွှာနှင့်ပတ်သက်၍ နည်းပညာပိုင်းဆိုင်ရာ သဘောထားမှတ်ချက်အား အောက်ပါအတိုင်း စိစစ်တင်ပြအပ်ပါသည်-

(က) အီရန်နိုင်ငံမှ ရေနံစိမ်းအား တင်သွင်းချက်လုပ်မည်ဖြစ်ပြီး အပေါ့စားနှင့်အလေးစား (Light & Heavy Crude Oil) ၂ မျိုးကို 3 : 2 ဖြင့် ရောစပ်၍ ချက်လုပ်ရန် ဒီဇိုင်းပြုလုပ်ထား ပါသည်။ ရေနံစိမ်း Specification တွင် ဆာလ်ဖာပါဝင်မှုမှာ 1.52 ~ 1.72 wt% အထိရှိကြောင်းစိစစ်တွေ့ရှိရပါသည်။ Sour Crude ဖြစ်သော်လည်း Sulfur Recovery Unit ထည့်သွင်းတည်ဆောက်ထားပြီး ပတ်ဝန်းကျင်ညစ်ညမ်းမှုမရှိစေရန် ဆာလ်ဖာကို By Product အဖြစ် ထုတ်လုပ်ထားသဖြင့်ပြည်တွင်းဆာလ်ဖာ လိုအပ်ချက်ကိုလည်း ဖြည့်ဆည်းပေးနိုင်ကြောင်း စိစစ်တွေ့ရှိရ ပါသည်။

\\192.168.20.1\e\Bo Nyan\office letter\GDZR\to moe (7.3.16).docx

(ခ) တစ်နေ့လျှင်ရေနံစိမ်း စည် ၁၀၀,၀၀၀ ခန့် ချက်လုပ်နိုင်သည့် စက်ရုံဖြစ်ခြင်းကြောင့် စီးပွားရေးတွက်ခြေကိုက်အရွယ်အစားရှိသည့် စက်ရုံဖြစ်ကြောင်း စိစစ်တွေ့ရှိရပါသည်။

(ဂ) အဆိုပါစက်ရုံတွင် Plant/ Unit စုစုပေါင်း (၉) ခုပါဝင်ပြီး အဓိက ထုတ်ကုန်များအဖြစ် အောက်တိန်းအမှတ်မြင့်ဓာတ်ဆီ (RON 89, 92, 95)၊ လေယာဉ်ဆီ၊ အဆင့်မြင့်ဒီဇယ်ဆီ၊ ရေနံဓာတ်ငွေ့ရည်၊ Fuel oil၊ ဆာလ်ဖာနှင့် လမ်းခင်းကတ္တရာတို့ကို ထုတ်လုပ်မည်ဖြစ်ကြောင်း စိစစ်တွေ့ရှိ ရပါသည်။

(ဃ) ဓာတ်ဆီနှင့် ဒီဇယ်ဆီတို့၏ Specification များမှာ Euro IV Standard များဖြစ်ပြီး ကျန် Product များဖြစ်သည့် လေယာဉ်ဆီနှင့် ရေနံဓာတ်ငွေ့ရည်တို့၏ Specification များမှာ MPE Specification များနှင့် နီးစပ်ကိုက်ညီမှုရှိကြောင်း စိစစ်တွေ့ရှိရပါသည်။

(င) မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ အမိန့်ကြော်ငြာစာအမှတ် ၁/၂၀၁၃ အရ ရေနံချက်စက်ရုံများတွင် MTBE သုံးစွဲ၊ထုတ်လုပ်မှုအား ပိတ်ပင်တားမြစ်ထားပါသည်။ အဆိုပါရေနံချက်စက်ရုံတွင် သဘာဝပတ်ဝန်းကျင်နှင့်ကျန်းမာရေးကိုထိခိုက်ပျက်စီးနိုင်သည့် အောက်တိန်းအမှတ်မြင့် ဓာတ်ဆီထုတ်လုပ်ရာတွင်သုံးစွဲသည့် MTBE Unit အား တည်ဆောက်တပ်ဆင်ထားခြင်းမရှိကြောင်း စိစစ်တွေ့ရှိရပါသည်။ အောက်တိန်းအမှတ်မြင့်ဓာတ်ဆီထုတ်လုပ်ရေးအတွက် Fluidized Catalytic Cracking (FCC) Plant နှင့် Isomerization unit တို့ကိုတပ်ဆင် အသုံးပြုထား ကြောင်းစိစစ်တွေ့ရှိရ ပါသည်။

(စ) ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးလုပ်ငန်းစဉ်များအနေဖြင့် ရေဆိုးသန့်စင်ရေး စက်ရုံနှင့် လေထုညစ်ညမ်းမှုလျော့ချရေးအတွက် ဆောင်ရွက်မည့်နည်းစဉ်များ၊ Solid waste ဖြစ်သည့် Spent catalyst များအား Manufacture Recovery ပြုလုပ်ခြင်းနှင့် စနစ်တကျစွန့်ပစ်မည့်အစီအမံများပါဝင်ကြောင်း စိစစ်တွေ့ရှိရပါသည်။ Chinese Standard များနှင့်အညီ စွန့်ထုတ်မည့် Waste Emission စံချိန်စံညွှန်းများကို တင်ပြထားပါသည်။ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးနှင့် သစ်တောရေးရာဝန်ကြီးဌာနမှ National Environmental Quality(Emission) Guideline အား ၂၀၁၅ ခုနှစ်၊ ဒီဇင်ဘာလတွင် အတည်ပြုထုတ်ပြန် ထားပြီးဖြစ်သဖြင့် အဆိုပါ စံချိန်စံညွှန်းများအတိုင်း လိုက်နာဆောင်ရွက်ရန် လိုအပ်မည်ဖြစ်ပါသည်။

(ဆ) မီးဘေးအန္တရာယ်နှင့် လုပ်ငန်းခွင်ဘေးအန္တရာယ် ကင်းရှင်းရေး(Firefighting and HSE) တို့အတွက် Chinese Standard များနှင့်အညီ ဆောင်ရွက်မည်ဖြစ်ကြောင်း စိစစ်တွေ့ရှိရပါသည်။

(ဇ) အဆိုပြုလွှာပါ နည်းပညာပိုင်းဆိုင်ရာအချက်အလက်များသည် အခြေခံရေနံချက်လုပ်မှုနည်းစဉ် (Conceptual Refining Technology) များဖြစ်သဖြင့် Detail Engineering Design ရေးဆွဲပြီးပါက နည်းပညာပိုင်းဆိုင်ရာ အချက်အလက်များကို ကျွမ်းကျင်ပညာရှင်များမှ ပြန်လည်စိစစ်ရန် လိုအပ်မည်ဖြစ်ပါသည်။

၃။ သို့ဖြစ်ပါ၍ အဆိုပြုတင်ပြလာသည့် တစ်နှစ်လျှင် မက်ထရစ်တန် ၅ သန်းခန့် ချက်လုပ်မည့် ရေနံချက်စက်ရုံစီမံကိန်းမှထွက်ရှိလာမည့် Product များမှာ အဆင့်မြင့် စက်သုံးဆီများဖြစ်ခြင်းနှင့် ရေနံချက်စက်ရုံများတွင် တားမြစ်ပိတ်ပင်ထားသည့် MTBE ကို သုံးစွဲမှုမရှိခြင်းတို့ကြောင့် နည်းပညာပိုင်းအရ သင့်တော်မှုရှိပါကြောင်းနှင့် ပတ်ဝန်းကျင်ထိခိုက်မှုမရှိစေရေးအတွက် အတည်ပြုပြဋ္ဌာန်းထားသည့် ဥပဒေ၊ နည်းဥပဒနှင့် ညွှန်ကြားချက်များအား လိုက်နာဆောင်ရွက်ရန်လိုအပ်ပါကြောင်း သုံးသပ် စိစစ်တင်ပြအပ်ပါသည်။

သန့်စင်
ဦးဆောင်ညွှန်ကြားရေးမှူး

မိတ္တူ-
✓စွမ်းအင်ဝန်ကြီးဌာန၊
လက်ခံစာတွဲ
မျှောစာတွဲ

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လျှို့ဝှက်

၈

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်

နိုင်ငံတော်သမ္မတရုံး

စာအမှတ်၊ ၅၆ (၂) / ၇ / သမ္မတရုံး

ရက်စွဲ၊ ၂၀၁၆ ခုနှစ်၊ ဖေဖော်ဝါရီလ ၂၃ ရက်

သို့

စွမ်းအင်ဝန်ကြီးဌာန

အကြောင်းအရာ။ Joint Venture Agreement လက်မှတ်ရေးထိုးခွင့်ကိစ္စ

မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်း၊ Guangdong Zhenrong Energy Co., Ltd ၊ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်နှင့် Yangon Engineering Group Co., Ltd တို့သည် Longwin Global Petrochemical Company Limited ကို ရန်ကုန်မြို့၌ တည်ထောင်၍ တနင်္သာရီတိုင်းဒေသကြီး၊ ထားဝယ်ခရိုင်၊ လောင်းလုံမြို့နယ်၏ တောင်ဘက် သုံးမိုင်ခန့်အကွာရှိ ယင်းဘုတ်ကျေးရွာအနီးတွင် တစ်နှစ်လျှင် ရေနံစိမ်းတန်ချိန် (၅) သန်း ချက်လုပ်နိုင်မည့် ရေနံချက်စက်ရုံ စီမံကိန်းလုပ်ငန်းအကောင်အထည်ဖော်ဆောင်ရွက်ရန်အတွက် Joint Venture Agreement ကို လက်မှတ်ရေးထိုးခွင့်ပြုပါရန် မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်မှ တင်ပြလာခြင်းနှင့်စပ်လျဉ်း၍ ခွင့်ပြုပါသဖြင့် လုပ်ထုံးလုပ်နည်းနှင့်အညီ ဆက်လက်ဆောင်ရွက်သွားရန် အကြောင်းကြားအပ်ပါသည်။

ပူးတွဲ - (၂) ရွက်

ညွှန်ကြားရေးမှူးချုပ်

မိတ္တူကို

သမ္မတဦးစီးရုံး

ဒုတိယသမ္မတဦးစီးရုံးများ

ပြည်ထောင်စုအစိုးရအဖွဲ့ရုံး

သမ္မတရုံးဝန်ကြီးဌာန (၃)

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ

ပြည်ထောင်စုရှေ့နေချုပ်ရုံး

နေပြည်တော်

စာအမှတ်၊ ၂(၅)၁ - ၃ / နပတ(၁၅၀)

ရက်စွဲ၊ ၂၀၁၆ခုနှစ်၊ဖေဖော်ဝါရီလ ၁၅ ရက်

အကြောင်းအရာ။ **တနင်္သာရီတိုင်းဒေသကြီး၊ ထားဝယ်ခရိုင်၊ လောင်းလုံမြို့၊ ယင်းဘုတ်ကျေးရွာအနီးတွင် တစ်နှစ်လျှင်ရေနံစိမ်းတန်ချိန် (၅)သန်းချက်လုပ်နိုင်သည့် ရေနံချက်စက်ရုံတည်ဆောင်မှုအတွက် ချုပ်ဆိုမည့် စာချုပ်(မူကြမ်း) များအပေါ် သဘောထားမှတ်ချက်ပြန်ကြားပေးပါရန်ကိစ္စ**

ရည်ညွှန်းချက်။ စွမ်းအင်ဝန်ကြီးဌာန၏ ၄-၂-၂၀၁၆ ရက်စွဲပါစာအမှတ်၊ စီမံ-စာရင်း/ ၃/ ၀၃ (၁၁၆) ၂၀၁၆

၁။ စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်း၊ Guangdong Zhenrong Energy Co., Ltd (GDZR)၊ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက် (MEHL) နှင့် Yangon Engineering Group (YEG) တို့အကြား Joint Venture Agreement ဖြင့် Longwin Global Petrochemical Company Limited ကို ရန်ကုန်မြို့၌ တည်ထောင်၍ တနင်္သာရီတိုင်းဒေသကြီး၊ ထားဝယ်ခရိုင်၊ လောင်းလုံမြို့၏ တောင်ဘက်သုံးမိုင်ခန့်အကွာရှိ ယင်းဘုတ်ကျေးရွာအနီးတွင် တစ်နှစ်လျှင် ရေနံစိမ်းတန်ချိန်(၅)သန်းချက်လုပ်နိုင်သည့် ရေနံချက်စက်ရုံတည်ဆောက်မှု စီမံကိန်းဆောင်ရွက်ရေးအတွက် ချုပ်ဆိုမည့် စာချုပ်(မူကြမ်း)များအပေါ် သဘောထားမှတ်ချက်ပြန်ကြားပေးပါရန် ရည်ညွှန်းချက်ပါစာဖြင့် ပေးပို့လာသောကိစ္စဖြစ်ပါ သည်။

၂။ စီမံကိန်းရင်းနှီးမြှုပ်နှံမှုပမာဏမှာ အမေရိကန်ဒေါ်လာ (၂.၆၀၃) ဘီလီယံဖြစ်ပြီး စာချုပ်သက်တမ်းမှာ ကနဦးနှစ်(၅၀)နှင့် (၁၀)နှစ် (၂)ကြိမ်သက်တမ်းတိုးဆောင်ရွက်မည်ဖြစ်ကြောင်း၊ စီမံကိန်းဆောင်ရွက်ရာတွင် စွမ်းအင်ဝန်ကြီးဌာနက Golden Share အဖြစ် 3.5% ၊ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်က 20% ၊ Yangon Engineering Group က 6.5% နှင့် GDZR က 70% အသီးသီး

ရင်းနှီးမြှုပ်နှံမည်ဖြစ်ကြောင်း၊ JV ကို BOT စနစ်ဖြင့် ဆောင်ရွက်ခြင်းဖြစ်ပါကြောင်း ဖော်ပြထားသည်ကို တွေ့ရှိရပါသည်။

၃။ အထက်အပိုဒ်ပါ JV Company ကို ၂၄-၈-၂၀၁၀ ရက်စွဲပါ MOU စာချုပ်နှင့် ၂၆-၁-၂၀၁၂ ရက်စွဲပါ MOA ပါစည်းကမ်းချက်များအရ ဆောင်ရွက်ခြင်းဖြစ်ပြီး ယခင်က Htoo Group of Companies မှာ ယခုအခါ Yangon Engineering Group Company Limited အဖြစ် အမည်ပြောင်းလဲဖွဲ့စည်းထားခြင်းဖြစ်ပါကြောင်း ဖော်ပြထားသည်ကိုလည်း တွေ့ရှိရပါသည်။

၄။ ရည်ညွှန်းချက်ပါစာဖြင့် ပေးပို့လာသော Joint Venture Agreement (မူကြမ်း)အပေါ် ဥပဒေရှုထောင့်မှ လေ့လာစိစစ်ပြီး အောက်ပါအတိုင်း သုံးသပ်အကြံပြုအပ်ပါသည်-

(က) စာချုပ်(မူကြမ်း) အပိုဒ် 1 Definitions, Abbreviations and Interpretations ခေါင်းစဉ်အောက်ရှိ Business Day ၏ အဓိပ္ပါယ်ဖွင့်ဆိုချက်တွင် စင်္ကာပူနိုင်ငံ၏ ရုံးပိတ်ရက်ကိုပါ ထည့်သွင်းဖော်ပြထားရာ ဤစာချုပ်နှင့် ဆက်စပ်မှုမရှိဟု ယူဆပါသဖြင့် ဌာနက ပြန်လည်စိစစ်သင့်ပါသည်၊

(ခ) စာချုပ်(မူကြမ်း) အပိုဒ် 1 Definitions, Abbreviations and Interpretations ခေါင်းစဉ်အောက်ရှိ Concession Rights ၏ အဓိပ္ပါယ်ဖွင့်ဆိုချက်တွင် Project ကုမ္ပဏီအနေဖြင့်စီမံကိန်းနှင့်စပ်လျဉ်း၍ တည်ဆောက်ခြင်း၊ ငွေကြေးထည့်ဝင်ခြင်း၊ ပိုင်ဆိုင်ခြင်း၊ လုပ်ငန်းလည်ပတ်ခြင်း၊ ထိန်းသိမ်းခြင်းတို့အတွက် တစ်ဦးတည်းသီးသန့်အခွင့်အရေး (exclusive right) ရရှိမည်ဖြစ်ကြောင်း၊ အပိုဒ် 7.1 Grant of Concession Rights တွင် MOEP အနေနှင့် Concession Rights ရရှိရန် ကူညီဆောင်ရွက်ပေးရမည်ဖြစ်ကြောင်း နှင့် အပိုဒ် 7.2 တွင် Concession Rights ရုတ်သိမ်းခြင်းမပြုရန် ကြိုးစားဆောင်ရွက်ရမည်ဖြစ်ကြောင်း ဖော်ပြထားရာ MOEP အနေဖြင့် Concession Rights နှင့်သက်ဆိုင်သည့် စည်းကမ်းချက်များအား သတိပြုသင့်ပါသည်၊

(ဂ) စာချုပ်(မူကြမ်း) အပိုဒ်ခွဲ 6.1.2 Decisions of General Meeting ခေါင်းစဉ်အောက်ရှိ Ordinary Resolution ဖြင့် ဆုံးဖြတ်ဆောင်ရွက်ရမည့် ကိစ္စရပ်များအဖြစ် အပိုဒ်ခွဲ (i) မှ (xiv) အထိ ဖော်ပြထားသည်ကို တွေ့ရှိရပါသည်။ အဆိုပါအချက်များအနက် အပိုဒ်ခွဲ (vi) ပါ ကုမ္ပဏီ Bonds များကို ထုတ်ခြင်းနှင့် အပိုဒ်ခွဲ (xi) ပါ Concession Rights နှင့်စပ်လျဉ်း၍ ဖော်ပြ ထားသည့် စည်းကမ်းချက်တို့ကို Special Resolution ဖြင့် ဆုံးဖြတ်ဆောင်ရွက်ရမည့် ကိစ္စရပ်များအဖြစ် ပြောင်းလဲသတ်မှတ်ဖော်ပြရန်သင့် မသင့် ဌာနက ပြန်လည်စိစစ်သင့်ပါသည်၊

(ဃ) စာချုပ်(မူကြမ်း) အပိုဒ်ခွဲ 8.1 Exemption and Reliefs ခေါင်းစဉ်ပါ စည်းကမ်းချက်များတွင် စွမ်းအင်ဝန်ကြီးဌာနက ဆောင်ရွက်ပေးရမည့်ကိစ္စရပ်များအဖြစ် အခွန်ကင်းလွတ်သက်သာခွင့်များကို ဖော်ပြထားရာ ယင်းသို့ဖော်ပြထားသည့်အတိုင်း လက်ခံဆောင်ရွက်ပေးနိုင်ခြင်းရှိ မရှိ၊ လက်ခံဆောင်ရွက်ပေးရန်သင့် မသင့်တို့ကို ကြိုတင်သတိပြုစိစစ်သင့်ပါသည်။ ထို့ပြင် Project Company အား ကင်းလွတ်ခွင့်၊ သက်သာခွင့်ပြုရမည့်ကိစ္စရပ်များအဖြစ် အခွန်ပေးဆောင်ခြင်းမှ ကင်းလွတ်ခွင့်ပြုခြင်း၊ ပြဋ္ဌာန်းဥပဒေများပြောင်းလဲခြင်းဖြစ်ပေါ်ပါက ထိုသို့ပြောင်းလဲသည့်အတိုင်း လိုက်နာဆောင်ရွက်ရန် လိုအပ်မှုမရှိကြောင်း၊ ဤစာချုပ်အရ ပေးအပ်သည့် tax incentives ထက် အခြားသောနိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဆိုင်ရာ စီမံကိန်းတို့က ပိုမိုကောင်းမွန်မြင့်မားပါက ဤစာချုပ်အရ ဆောင်ရွက်သည့် စီမံချက်လုပ်ငန်းအနေဖြင့် အလိုအလျောက်ရရှိခံစားနိုင်ခွင့်ရှိစေရမည်ဖြစ်ကြောင်းတို့ကို စွမ်းအင်ဝန်ကြီးဌာနက အာမခံပေးရမည့်သဘော ရေးသားဖော်ပြထားရာ အမှန်တကယ်ဆောင်ရွက်ပေးနိုင်ခွင့်နှင့် ဆောင်ရွက်ပေးနိုင်ခြင်းရှိ မရှိတို့ကို ကြိုတင်သတိပြုစိစစ်သင့်ပါကြောင်း အကြံ

ပြုပါသည်။ ထို့ပြင် အခွန်ကင်းလွတ်ခွင့်နှင့်စပ်လျဉ်း၍ ဘဏ္ဍာရေးဝန်ကြီးဌာန၏ သဘောထားမှတ်ချက်ရယူဆောင်ရွက်သင့်ပါသည်၊

(င) စာချုပ်(မူကြမ်း) အပိုဒ် 9 Warranty and Representations ၊ အပိုဒ်ခွဲ 9.1.4 တွင် ဤစာချုပ်ပါ ကိုယ်စားပြုခြင်းနှင့် အာမခံခြင်းတို့သည် မှန်ကန်မှုရှိပါကြောင်း ဖော်ပြထားပါသည်။ အပိုဒ်ခွဲ 17.1 Indemnification ၊ အပိုဒ်ခွဲငယ် 17.1.1 တွင် ဤစာချုပ်နှင့် ဤစာချုပ်၌ ရည်ညွှန်းဖော်ပြထားသည့် အခြားသော စာချုပ်များ၌ ဖော်ပြထားသည့် "ကိုယ်စားပြုခြင်းနှင့် အာမခံခြင်း" တို့သည် မှန်ကန်တိကျမှုမရှိပါက ဤစာချုပ်အား ချိုးဖောက်သည်ဟု မှတ်ယူရန်နှင့် အဆိုပါချိုးဖောက်မှုကို (၄၅)ရက်အတွင်း ကုစားနိုင်ခြင်းမရှိပါက Project Company နှင့် အခြား parties တို့ကို လျော်ကြေးပေးရမည်ဖြစ်ကြောင်း ဖော်ပြထားပါသည်။ သို့ပါ၍ စာချုပ်၌ ရည်ညွှန်းဖော်ပြထားသည့် တာဝန်ဝတ္တရားများကို အမှန်တကယ်ဆောင်ရွက်နိုင်ခွင့်နှင့် ဆောင်ရွက်ပေးနိုင်ခြင်းရှိ မရှိတို့ကို စာချုပ်ဝင်များက ကြိုတင်သတိပြုစိစစ်သင့်ပါသည်၊

(စ) စာချုပ်(မူကြမ်း) အပိုဒ်ခွဲ 10.1 Design Requirements ၊ အပိုဒ်ခွဲငယ် 10.1.1 တွင် Refinery Plant နှင့် အခြားစီမံကိန်းလုပ်ငန်းများကို ဆောင်ရွက်ရာ၌ "design of construction" ကို မြန်မာ သို့မဟုတ် တရုတ်နိုင်ငံတွင်ကျင့်သုံးသည့် စည်းမျဉ်းစည်းကမ်းများနှင့်အညီ ဆောင်ရွက်မည်ဖြစ်ကြောင်း ဖော်ပြထားရာ "တရုတ်နိုင်ငံ" အစား "နိုင်ငံတကာ" ဟုပြင်ဆင်ဖော်ပြရန်သင့် မသင့် ဌာနက ပြန်လည်သုံးသပ်သင့်ပါသည်။

(ဆ) စာချုပ်(မူကြမ်း) အပိုဒ်ခွဲ 12.3 Sales of Products ၊ အပိုဒ်ခွဲငယ် 12.3.1 ၊ နှင့် 12.3.2 တို့တွင် "petroleum products" နှင့် "semi-manufactured products" တို့ကို နိုင်ငံခြားဈေးကွက်သို့သာ ရောင်းချရန်ဖြစ်ကြောင်း၊ ပြည်တွင်းဈေးကွက်၌ ရောင်းချဖြန့်ဖြူးပိုင်ခွင့်မရှိကြောင်း ဖော်ပြထားရာ လက်ခံ

ရန်သင့် မသင့် ဌာန၏ စိမံခန့်ခွဲမှုဘောင်အတွင်းမှ ပြန်လည်သုံးသပ်သင့်ပါသည်။ ထို့ပြင် စာချုပ်(မူကြမ်း)အရ ရေနံချက်စက်ရုံ တည်ဆောက်မည်ဖြစ်ကြောင်းနှင့် နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဥပဒေအရ ဆောင်ရွက် မည်ဖြစ်ကြောင်း တွေ့ရှိရပါသည်။ နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဥပဒေပုဒ်မ ၆ တွင် "ကော်မရှင်သည် နိုင်ငံတော်နှင့် နိုင်ငံသားတို့၏ လုံခြုံရေးအခြေအနေ၊ စီးပွားရေးအခြေအနေ၊ ပတ်ဝန်းကျင် အခြေအနေနှင့် လူမှုအကျိုးစီးပွားကိုကြီးမားစွာ အကျိုးသက်ရောက်မှုဖြစ်စေနိုင် သောနိုင်ငံခြားသားနှင့် နိုင်ငံသားရင်းနှီးမြှုပ်နှံမှု လုပ်ငန်းကြီးများကို ပြည်ထောင်စု အစိုးရအဖွဲ့မှတစ်ဆင့် ပြည်ထောင်စုလွှတ်တော်သို့ တင်ပြရမည်" ဟုပြဋ္ဌာန်းထား သည်ကို သိရှိနိုင်ပါရန် ဖော်ပြအပ်ပါသည်၊

(ဓ) စာချုပ်(မူကြမ်း) အပိုဒ်ခွဲ 14.3 General Obligations of MEHL တွင် မြန်မာ့ စီးပွားရေးဦးပိုင်လီမိတက်အနေဖြင့် မြေအသုံးပြုခွင့်အပါအဝင် အဆိုပါ မြေပေါ်ရှိ "towns, villages, cultivated farm Lands, orchards, religious monuments, monasteries, churches, schools, hospitals --------" အစရှိ သည်တို့ကို ဖယ်ရှားဆောင်ရွက်ရန်၊ ဖယ်ရှားရမည့် ပုဂ္ဂိုလ်များနှင့် ညှိနှိုင်းဆွေး နွေးပြီး ပြန်လည်နေရာချထားပေးရန်နှင့် ထိုသို့ဆောင်ရွက်မှုများအားလုံးကို Project Company က ကျခံဆောင်ရွက်ပေးရန် ဖော်ပြထားရာ လက်ခံဆောင် ရွက်ပေးရန်သင့် မသင့် နှင့် မျှတမှုရှိ မရှိတို့ကို ပြန်လည်သုံးသပ်သင့်ပါသည်၊

(န) စာချုပ်(မူကြမ်း) အပိုဒ်ခွဲ 18.2.2 Assignment of Concession Rights တွင် Project Company အနေဖြင့် ၎င်းရရှိထားသည့် Concession Rights အားလုံး သို့မဟုတ် တစ်စိတ်တစ်ပိုင်းကို အခြားသောကုမ္ပဏီတစ်ခုခုအား ပြန်လည် လွှဲပြောင်းပိုင်ခွင့်ရှိကြောင်းနှင့် ထိုသို့လွှဲပြောင်းပေးသည့်အခါ လိုအပ်သည့် ဌာန ဆိုင်ရာခွင့်ပြုချက်များကို စွမ်းအင်ဝန်ကြီးဌာနက ကူညီဆောင်ရွက်ပေးရမည်ဖြစ် ကြောင်း ဖော်ပြထားပါသည်။ Concession Rights အား တစ်ဆင့်လွှဲပြောင်း

ဆောင်ရွက်ခြင်းဖြင့် နောင်တွင်မလိုလားအပ်သော ပြဿနာများပေါ်ပေါက်နိုင်ပါသဖြင့် ဌာနအနေဖြင့် လက်ခံရန်သင့် မသင့် အထူးသတိပြုစိစစ်သင့်ပါသည်၊

(ည) စာချုပ်(မူကြမ်း) အပိုဒ် 19 Dispute Resolution and Governing Law တွင် အငြင်းပွားမှုများကို ရက်ပေါင်း(၆၀)အတွင်း ငြိမ်းချမ်းစွာဖြေရှင်းမရပါက မြန်မာနိုင်ငံရန်ကုန်မြို့တွင် Myanmar Arbitration Law, 2016 ဖြင့် ဖြေရှင်းဆောင်ရွက်ရန် ဖော်ပြချက်မှာ သင့်လျော်မှုရှိပါသည်။ သို့ပါ၍ အပိုဒ်ခွဲ 19.2 ၏ ဒုတိယအပိုဒ်တွင် ဖော်ပြထားသည့် စင်္ကာပူနိုင်ငံတွင် ဖြေရှင်းဆောင်ရွက်မည်ဆိုသည့်စည်းကမ်းချက်စာပိုဒ်ကို ပယ်ဖျက်သင့်ပါသည်။ ဌာနမှ ပြန်လည်စိစစ်ရန်ဖြစ်ပါသည်၊

(ဋ) စာချုပ်(မူကြမ်း) အပိုဒ် 20 Termination ခေါင်းစဉ်ပါ စည်းကမ်းချက်တွင် စာချုပ်ဝင်များအကြား သဘောတူညီမှုဖြင့်လည်း ဤစာချုပ်အား ရပ်စဲနိုင်ကြောင်း စည်းကမ်းချက်အား ထည့်သွင်းဖော်ပြရန် သင့် မသင့် ဌာနက ပြန်လည်စိစစ်သင့်ပါသည်၊

(ဌ) စာချုပ်(မူကြမ်း) အပိုဒ်ခွဲ 21.10 Effectiveness ခေါင်းစဉ်ပါ စည်းကမ်းချက်တွင် ဖော်ပြထားသည့်အချက်(၃)ချက်အားလုံး ပြည့်စုံစွာ ဆောင်ရွက်ပြီးသည့်အခါမှသာ ဤစာချုပ်အသက်ဝင်မည်ဖြစ်ကြောင်း ဖော်ပြထားရာ အဆိုပါအချက်(၃)ချက်အား ဆောင်ရွက်ပေးနိုင်ခြင်းမရှိပါက ဤစာချုပ်မှာလည်း အကျိုးသက်ရောက်မှုရှိမည်မဟုတ်သည်ကို ဌာနက သတိပြုသင့်ပါသည်၊

(ဍ) စာချုပ်(မူကြမ်း) အပိုဒ် 20.3 Valuation and Transfer of the Project Company upon Termination ခေါင်းစဉ်ပါ စည်းကမ်းချက်များအရ စာချုပ်ရပ်စဲသည့်အခါ ကုမ္ပဏီ၏လုပ်ငန်းနှင့် ပစ္စည်းတို့ကို တန်ဖိုးတွက်ချက်ပြီးနောက် တတိယပုဂ္ဂိုလ်သို့ ကုမ္ပဏီက ရောင်းချရမည်ဖြစ်ကြောင်း ဖော်ပြ

ထားပါသည်။ JV Agreement ပါစည်းကမ်းချက်များအရ BOT စနစ်ဖြင့် ဆောင်ရွက်ခြင်းဖြစ်ပါသဖြင့် စာချုပ်သက်တမ်းကုန်ဆုံးသည့်အခါ ဖြစ်စေ၊ စာချုပ်သက်တမ်းကုန်ဆုံးခြင်းမပြုမီ စောစီးစွာစာချုပ်ရပ်စဲရသည့်အခါဖြစ်စေ စာချုပ်ပါလုပ်ငန်းနှင့်မြေကို သက်ဆိုင်ရာဌာနသို့ ပြန်လည်လွှဲပြောင်းပေးရမည်ဖြစ်ပါသည်။ သို့ပါ၍ အဆိုပါအပိုဒ် 20.3 ပါ စည်းကမ်းချက်များအား ထည့်သွင်းဖော်ပြရန်သင့်လျော်မှုရှိ မရှိ ဌာနက ပြန်လည်သုံးသပ်သင့်ပါ သည်။ ထို့ပြင် အကယ်၍ တတိယပုဂ္ဂိုလ်သို့ ရောင်းချရန် သဘောတူမည်ဆိုပါကလည်း မည်သို့သောပုဂ္ဂိုလ်၊ မည်သည့်နိုင်ငံသားကိုသာ မည်သည့်အဖွဲ့အစည်း၏ အတည်ပြုချက်ဖြင့် ရောင်းချရမည်ဆိုသည့် စည်းကမ်းချက်အား ထပ်မံဖြည့်စွက်ဖော်ပြခြင်းဖြင့် နိုင်ငံတော်၏ အမျိုးသားအကျိုးစီးပွားကို ကာကွယ်ထိန်းသိမ်းနိုင်မည်ဖြစ်ပါကြောင်း အကြံပြုပါသည်။

၅။ ရည်ညွှန်းချက်ပါစာဖြင့် ပေးပို့လာသော Land Lease Agreement (မူကြမ်း)အပေါ် ဥပဒေရှုထောင့်မှ လေ့လာစိစစ်ပြီး အောက်ပါအတိုင်း သုံးသပ်အကြံပြုအပ်ပါသည်-

(က) စာချုပ်(မူကြမ်း) စာချုပ်ဝင်စာပိုဒ်တွင် တစ်ဖက်စာချုပ်ဝင်ကုမ္ပဏီသည် မည်သည့်နိုင်ငံ၏ ဥပဒေအရ ဖွဲ့စည်းထားခြင်းဖြစ်ကြောင်းနှင့် ၎င်းစာချုပ်အား ကိုယ်စားပြုချုပ်ဆိုမည့် ပုဂ္ဂိုလ်တို့၏ အမည်၊ ရာထူးတို့ကို ပြည့်စုံစွာ ဖြည့်စွက်ဖော်ပြသင့်ပါသည်၊

(ခ) စာချုပ်(မူကြမ်း) အပိုဒ်ခွဲ 1.1 Leased Property တွင် အငှားချထားမည့် မြေဧရိယာစုစုပေါင်းမှာ 733.3 ဧကဖြစ်ကြောင်းနှင့် အဆိုပါမြေ၏ မြေပုံကို Exhibit A အဖြစ် ပူးတွဲထားကြောင်း ဖော်ပြထားသော်လည်း မြေပုံမှာ ပူးတွဲပါရှိခြင်းမရှိပါ။ အငှားချထားမည့်မြေနှင့် စပ်လျဉ်း၍ အငှားချထားသူ ဌာနက တရားဝင်ပိုင်ဆိုင်ခွင့်၊ အငှားချထားပိုင်ခွင့်ရှိရန် လိုအပ်သကဲ့သို့ အငှားချထားမည့် မြေ၏မြေပုံမှာလည်း သက်ဆိုင်ရာဦးစီးဌာနက တရားဝင်ရေးဆွဲထားသည့်

မြေပုံဖြစ်ရန် လိုအပ်ပါသည်။ ထို့အတူ နောက်ဆက်တွဲများသည် စာချုပ်၏ ခွဲထုတ်မရသော အစိတ်အပိုင်းတစ်ရပ်ဖြစ်ပါသဖြင့် စာချုပ်ချုပ်ဆိုချိန်တွင် စာချုပ်၌ ပူးတွဲဖော်ပြရန် လိုအပ်ပါသည်၊

(ဂ) စာချုပ်(မူကြမ်း) အပိုဒ်ခွဲ 1.2 Usage of Leased Property တွင် အငှားချထားသည့်မြေပေါ်တွင် မြန်မာနိုင်ငံ၏ ဥပဒေအရ ခွင့်ပြုသည့်မည်သည့်စီးပွားရေးလုပ်ငန်းကိုမဆို "any business" ဆောင်ရွက်ခွင့်ရှိကြောင်း ဖော်ပြထားရာ အဓိပ္ပါယ်ကျယ်ပြန့်လွန်းသည်ဟု ယူဆပါသည်။ သို့ပါ၍ JV Agreement နှင့် MOA ပါ စီးပွားရေးလုပ်ငန်းများကို မြန်မာနိုင်ငံ၏ ဥပဒေများနှင့်အညီ ဆောင်ရွက်ရန်အတွက် မြေအားငှားရမ်းဆောင်ရွက်ခြင်းဖြစ်ကြောင်း ဖော်ပြပါ က ပိုမိုသင့်မြတ်မှုရှိမည်ဖြစ်ပါသဖြင့် ဌာနက ပြန်လည်စိစစ်သင့်ပါသည်၊

(ဃ) စာချုပ်(မူကြမ်း) အပိုဒ် 1.3 ၊ 5.1(3) အပါအဝင်စာချုပ်၏ အခြားစည်းကမ်းချက်များတွင် ရည်ညွှန်းထားသည့် "third party approved by the Lessee" ဟူသောစကားရပ်နှင့်စပ်လျဉ်း၍ မည်သူများဖြစ်သည်၊ မည်သည့်ကိစ္စရပ်များအတွက် မည်သူတို့၏ ခွင့်ပြုချက်ဖြင့် ဤစာချုပ်၌ပါဝင်ပတ်သက်ခြင်းဖြစ်သည် စသည်တို့မှာ ရှင်းလင်းမှုမရှိပါ။ ထို့ပြင် အပိုဒ်ခွဲ 1.5 အရ အငှားချထားမည့် ဌာနဖြစ်သူ MEHL ၏ ပိုင်ဆိုင်မှုသည် 12.7 ဧကသာဖြစ်ကြောင်း စာချုပ်ဝင်များက အသိအမှတ်ပြုထားကြောင်းလည်း ဖော်ပြထားပြီးဖြစ်ရာ အငှားချထားမည့် မြေဧရိယာနှင့် စပ်လျဉ်း၍ နောင်အငြင်းပွားမှုမဖြစ်ပေါ်စေရေးအတွက် ဌာနက အထူးသတိပြုဆောင်ရွက်သင့်ပါသည်၊

(င) စာချုပ်(မူကြမ်း) အပိုဒ်ခွဲ 4.1 Rent Amount တွင် မြေငှားရမ်းခအဖြစ် တစ်နှစ်လျှင် တစ်ဧကအတွက် USD 0.5 ဟုဖော်ပြထားရာ သင့်လျော်မှုတမှုရှိ မရှိ ပြန်လည်သုံးသပ်သင့်ပါသည်။ ထို့အတူ အဆိုပါငှားရမ်းခကို မည်သည့်အချိန်တွင် မည်သူ သို့မဟုတ် မည်သည့်ဘဏ်စာရင်းအမှတ်သို့ မည်သည့်နည်းလမ်း

ဖြင့် ငွေပေးချေမည်၊ ငှားရမ်းခအား သတ်မှတ်ရက်တွင် ပေးချေခြင်းမပြုပါက မည်သို့ဆက်လက်ဆောင်ရွက်မည်စသည့်အချက်များအား ဖော်ပြထားသည်ကို မတွေ့ရှိရပါ။ သို့ပါ၍ အငှားချထားသည့် မြေ၏မြေငှားရမ်းခနှင့် စပ်လျဉ်း၍ နောင်အငြင်းပွားမှုမဖြစ်ပေါ်စေရေးအတွက် ဌာနက ကြိုတင်စိစစ်ဖော်ပြသင့်ပါသည်၊

(စ) စာချုပ်(မူကြမ်း) အပိုဒ်ခွဲ 5.1 Obligations of the Lessor တွင် ဖော်ပြထားသည့် စည်းကမ်းချက်များနှင့်စပ်လျဉ်း၍ အငှားချထားသူ ဌာနအနေဖြင့် ဖော်ပြပါစည်းကမ်းချက်များအတိုင်း အမှန်တကယ်ဆောင်ရွက်ပေးနိုင်ခြင်းရှိ မရှိ ကြိုတင်စိစစ်ပြီးမှ လက်ခံရန်သင့် မသင့် ပြန်လည်သုံးသပ်ပါက ပိုမိုသင့်မြတ်မှု ရှိမည်ဖြစ်ပါသည်၊

(ဆ) စာချုပ်(မူကြမ်း) အပိုဒ်ခွဲ 5.1(6) တွင် စာချုပ်သက်တမ်းအတွင်း ဤစာချုပ်အား တစ်ဖက်သတ်ရုပ်စဲခြင်း မပြုကြောင်းကို Lessor ၏ တာဝန်အဖြစ် ဖော်ပြထားသည်ကို တွေ့ရှိရပါသည်။ ကြိုတင်မျှော်မှန်းနိုင်စွမ်းမရှိသည့်ကိစ္စရပ်များ ပေါ်ပေါက်လာ၍ စာချုပ်အားမဖြစ်မနေရုပ်စဲရန် လိုအပ်ခဲ့ပါက ဤစည်းကမ်းချက်သည် ဌာနအတွက် အဟန့်အတားဖြစ်စေနိုင်ပါသဖြင့် ထည့်သွင်းဖော်ပြရန် မသင့်ပါကြောင်း အကြံပြုပါသည်။ ပြန်လည်စိစစ်သင့်ပါသည်၊

(ဇ) စာချုပ်(မူကြမ်း) အပိုဒ်ခွဲ 6.1 Obligations of the Lessee ၊ အပိုဒ်ခွဲငယ် (9) တွင် မြေငှားရမ်းသက်တမ်းကုန်ဆုံးပြီး (၂)လအတွင်း မြေကို Lessor သို့ ပြန်လည်ပေးအပ်ရမည်ဖြစ်ကြောင်း ဖော်ပြထားသော်လည်း အဖိုးစားနား မပါဘဲ ပေးအပ်ရမည်ဖြစ်ကြောင်း ဖော်ပြထားခြင်း မရှိပါသဖြင့် "without consideration" ဟူသောစာသားအား ထပ်မံဖြည့်စွက်ဖော်ပြပါက ပိုမိုသင့်မြတ်မှုရှိမည်ဖြစ်ပါသည်၊

(ဈ) စာချုပ်(မူကြမ်း) အပိုဒ်ခွဲ 7.1 Flaws or Legal defects on the Leased Property တွင် Lessor သည် အငှားချထားမည့်မြေ၏ တရားဝင်ပိုင်ရှင်ဖြစ်ကြောင်းနှင့် မြေပိုင်ဆိုင်မှုနှင့်စပ်လျဉ်း၍ ဥပဒေကြောင်းအရ ချို့ယွင်းမှုမရှိပါကြောင်း ဖော်ပြထားပါသည်။ အပိုဒ်ခွဲ 9.2 တွင် စာချုပ်ဝင်တစ်ဦး၏ ပျက်ကွက်မှု Default ကြောင့် နစ်နာမှုဖြစ်ပေါ်လာပါက ငွေကြေးပေးလျော်ခြင်းသည် လုံလောက်မှုမရှိကြောင်းကို နားလည်သဘောတူပါကြောင်း ဖော်ပြထားပါ သည်။ အပိုဒ်ခွဲ 9.1 တွင် ဤစာချုပ်ပါ စာချုပ်ဝင်၏ ကိုယ်စားပြုခြင်းနှင့် အာမခံခြင်းတို့သည် မှန်ကန်မှုမရှိပါက ယင်းကိုပျက်ကွက်မှု "Default" အဖြစ် သတ်မှတ်ရမည်ဖြစ်ကြောင်း ဖော်ပြထားပါသည်။ အပိုဒ်ခွဲ 1.5 အရ ဌာနဖြစ်သူ Lessor or MEHL ပိုင်ဆိုင်သည့်မြေမှာ 12.7 ဧကမျှသာဖြစ်ကြောင်း ဖော်ပြထားပါသည်။ သို့ပါ၍ စာချုပ်ပါစည်းကမ်းချက်များအချင်းချင်းညီညွတ်မျှတမှုရှိစေရေးအတွက် ဌာနက သတိပြုစိစစ်သင့်ပါသည်၊

(ည) စာချုပ်(မူကြမ်း) အပိုဒ် XIV Arbitration တွင် အငြင်းပွားမှုများကို ရက်ပေါင်း (၆၀)အတွင်း ငြိမ်းချမ်းစွာဖြေရှင်းမရပါက မြန်မာနိုင်ငံရှိ ရန်ကုန်မြို့တွင် ခုံသမာဓိနည်းဖြင့် ဖြေရှင်းဆောင်ရွက်ရန် ဖော်ပြထားရာ သင့်မြတ်မှုရှိပါသည်။ သို့ရာတွင် ဖြေရှင်းရာတွင် လိုက်နာရမည့်ဥပဒေအား "Arbitration Act (Myanmar Act No. IV of 1944) ဟုရေးသားထားရာ ယင်းအစား Myanmar Arbitration Law, 2016 ဟုရေးသားဖော်ပြရန်ဖြစ်ပါသည်။ ထို့အတူ ဒုတိယပိုဒ်တွင် ဖော်ပြထားသည့် စင်္ကာပူနိုင်ငံတွင် ဖြေရှင်းဆောင်ရွက်မည်ဆိုသည့် စည်းကမ်းချက်အား ပယ်ဖျက်သင့်ပါသည်၊

(ဋ) စာချုပ်(မူကြမ်း) အပိုဒ်ခွဲ 15.9 တွင် အဖိုးတန်သယံဇာတများတွေ့ရှိပါက သက်ဆိုင်ရာအစိုးရအာဏာပိုင်များသို့ အကြောင်းကြားရမည်ဖြစ်ကြောင်း ဖော်ပြ

ထားရာ "ချက်ချင်း" အကြောင်းကြားရမည်ဖြစ်ကြောင်း ဖြည့်စွက်ဖော်ပြပါက ပိုမိုသင့်မြတ်မှုရှိမည်ဖြစ်ပါသည်၊

(ဃ) စာချုပ်(မူကြမ်း)တွင် ဤစာချုပ်အား လွှမ်းမိုးသည့်ဥပဒေမှာ မြန်မာနိုင်ငံ၏ ဥပဒေများဖြစ်ကြောင်း စည်းကမ်းချက်မပါရှိသဖြင့် ထည့်သွင်းဖော်ပြရန် လိုအပ်ပါသည်၊

(ဉ) စာချုပ်(မူကြမ်း)တွင် စာချုပ်အား ပြန်လည်စေ့စပ်ညှိနှိုင်းဆောင်ရွက်မည်ဆိုသည့် စည်းကမ်းချက်မပါရှိသဖြင့် (Renegotiation) ထည့်သွင်းဖော်ပြသင့်ပါသည်၊

(စ) စာချုပ်(မူကြမ်း)ပါ ကွက်လပ်များကို စာချုပ်ချုပ်ဆိုချိန်တွင် ပြည့်စုံစွာ ဖြည့်စွက်ဖော်ပြပြီးဖြစ်ရန် လိုအပ်ပါသည်။

၆။ ပူးတွဲပေးပို့လာသော သင်းဖွဲ့မှတ်တမ်း (MOA)(မူကြမ်း)အပေါ် ဥပဒေရှုထောင့်မှ လေ့လာစိစစ်၍ အောက်ပါအတိုင်း အကြံပြုအပ်ပါသည်-

(က) သင်းဖွဲ့မှတ်တမ်း(မူကြမ်း) အပိုဒ် V တွင် ကုမ္ပဏီ၏သတ်မှတ် မတည်ရင်းနှီးငွေ Authorized Capital ကို ဖော်ပြထားသော်လည်း ကုမ္ပဏီ၏ ထည့်ဝင်ပြီးငွေရင်း(Paid-Up Capital)ကို ထည့်သွင်းဖော်ပြထားခြင်းမရှိ၍ ထည့်သွင်းဖော်ပြသင့်ပါသည်၊

(ခ) သင်းဖွဲ့မှတ်တမ်း(မူကြမ်း) အပိုဒ်ခွဲ 12.3 တွင်ဖော်ပြထားသည့် Company Bonds များထုတ်ခြင်းနှင့် အပိုဒ်ခွဲ 12.18 ပါ Concession Rights နှင့်စပ်လျဉ်း၍ အထက်အပိုဒ် ၄(ခ) ပါအတိုင်း ထပ်မံအကြံပြုပါသည်၊

(ဂ) သင်းဖွဲ့မှတ်တမ်း(မူကြမ်း) အပိုဒ် 22 တွင် ပထမဆုံးဒါရိုက်တာများ၏ အမည်များကို ကွက်လပ်များဖြင့် ဖော်ပြထားရာ စာချုပ်ချုပ်ဆိုချိန်တွင် ပြည့်စုံစွာ ဖြည့်စွက်ဖော်ပြရန်ဖြစ်ပါသည်၊

(ဃ) သင်းဖွဲ့မှတ်တမ်း(မူကြမ်း) အပိုဒ် 26 တွင် "this Article of Association" ဟု ရည်ညွှန်းရေးသားထားရာ "this Memorandum of Association" အား ရည်ညွှန်းလိုခြင်းဖြစ်မည်ဟု ယူဆပါသဖြင့် ရည်ညွှန်းချက်များ မှန်ကန်စေရေးအတွက် ဌာနက သတိပြုစိစစ်သင့်ပါသည်၊

(င) သင်းဖွဲ့မှတ်တမ်း(မူကြမ်း) အပိုဒ်ခွဲ 40.10 တွင် ဖော်ပြထားသည့် "Company's Property" နှင့်စပ်လျဉ်း၍ လည်းကောင်း၊ အပိုဒ်ခွဲ 44.2 တွင် ဖော်ပြထားသည့် "Assets of the Company" နှင့်စပ်လျဉ်း၍ လည်းကောင်း မည်သည့်အရာများပါဝင်သည်ဟု မှတ်ယူရမည်ဖြစ်ကြောင်း ရှင်းလင်းမှုမရှိပါသဖြင့် နောင်အငြင်းပွားမှုမဖြစ်ပေါ်စေရေးအတွက် ဌာနက ပြန်လည်စိစစ်သင့်ပါသည်၊

(စ) သင်းဖွဲ့မှတ်တမ်း(မူကြမ်း) အပိုဒ် 44 Responsibilities of the Managing Director ခေါင်းစဉ်ပါ စည်းကမ်းချက်များနှင့်စပ်လျဉ်း၍ သင့်လျော်မှုရှိ မရှိ၊ လက်ခံရန်သင့် မသင့် ဌာနက ပြန်လည်သုံးသပ်သင့်ပါသည်၊

(ဆ) စာချုပ်(မူကြမ်း) အပိုဒ် 61.1 Valuation and Transfer of the Company upon Termination ခေါင်းစဉ်ပါ စည်းကမ်းချက်များနှင့်စပ်လျဉ်း၍ အထက်အပိုဒ် ၄(ဌ)ပါအတိုင်း ထပ်မံအကြံပြုပါသည်၊

(ဇ) သင်းဖွဲ့မှတ်တမ်း(မူကြမ်း)ပါ ကွက်လပ်များကို စာချုပ်ချုပ်ဆိုချိန်တွင် ပြည့်စုံစွာဖြည့်စွက်ဖော်ပြပြီးဖြစ်သင့်ပါသည်၊

(ဈ) ကုမ္ပဏီ၏သင်းဖွဲ့မှတ်တမ်းအပြင် သင်းဖွဲ့စည်းမျဉ်း (Articles of Association) ကိုလည်း မြန်မာနိုင်ငံကုမ္ပဏီများအက်ဥပဒေပုဒ်မ ၁၉ အရ အင်္ဂလိပ်-မြန်မာ နှစ်ဘာသာဖြင့် ရေးဆွဲပြုစုထားရန်လိုအပ်မည်ဖြစ်ပါသည်။

၇။ ရည်ညွှန်းစာတွင် ဖော်ပြထားသည့် ၂၀၁၂ ခုနှစ် မတ်လမှစတင်ဆောင်ရွက်ခဲ့ပြီး ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးနှင့် သစ်တောရေးရာဝန်ကြီးဌာနသို့ သဘောထားမှတ်ချက်တောင်းခံထားပြီးဖြစ်သည့် EIA ၊ SIA Report များကို ဤစာချုပ်၌ ပူးတွဲဖော်ပြပါ ပိုမိုသင့်မြတ်မှုရှိမည်ဖြစ်ပါသည်။

၈။ နိုင်ငံတော်ပိုင်စီးပွားရေး လုပ်ငန်းများဥပဒေပုဒ်မ ၃(ဂ)တွင် "ရေနံနှင့် သဘာဝဓာတ်ငွေ့ရှာဖွေ ထုတ်လုပ်ဝယ်ယူရောင်းချခြင်းလုပ်ငန်းနှင့် ရေနံနှင့်သဘာဝဓာတ်ငွေ့ထွက် ပစ္စည်းများထုတ်လုပ်ခြင်းလုပ်ငန်းကို အစိုးရကသာ နိုင်ငံတော်ပိုင်စီးပွားရေးလုပ်ငန်းများအဖြစ် လုပ်ကိုင်ဆောင်ရွက်ခွင့်ရှိသည်" ဟု ပြဋ္ဌာန်းထားပါသည်။ နိုင်ငံတော်ပိုင်စီးပွားရေးလုပ်ငန်းများဥပဒေပုဒ်မ ၄ တွင် "အစိုးရအဖွဲ့သည် ပုဒ်မ ၃ အရ အစိုးရကသာ လုပ်ကိုင်ဆောင်ရွက်ရန် သတ်မှတ်ထားသော စီးပွားရေးလုပ်ငန်းတစ်ရပ်ရပ်ကို ပြည်ထောင်စုမြန်မာနိုင်ငံတော်၏ အကျိုးစီးပွားအလို့ငှာ အစိုးရနှင့် အခြားမည်သည့်ပုဂ္ဂိုလ် သို့မဟုတ် မည်သည့်စီးပွားရေးအဖွဲ့အစည်းကမဆို ဖက်စပ်လုပ်ကိုင်ဆောင်ရွက်နိုင်ရန်ဖြစ်စေ၊ ပုဂ္ဂိုလ်တစ်ဦးဦး သို့မဟုတ် စီးပွားရေးအဖွဲ့အစည်း တစ်ခုခုက စည်းကမ်းသတ်မှတ်ချက်ဖြင့် လုပ်ကိုင်ဆောင်ရွက်နိုင်ရန်ဖြစ်စေ အမိန့်ကြော်ငြာစာ ထုတ်ပြန်၍ ခွင့်ပြုနိုင်သည်" ဟု ပြဋ္ဌာန်းထားသဖြင့် အဆိုပါဥပဒေပုဒ်မ ၄ အရ ပြည်ထောင်စုအစိုးရအဖွဲ့၏ အမိန့်ကြော်ငြာစာဖြင့် ထုတ်ပြန်သည့်ခွင့်ပြုမိန့်ရရှိရန်လိုအပ်ကြောင်း ဖော်ပြအပ်ပါသည်။

၉။ ဤစာချုပ်(မူကြမ်း)များကို ပြည်ထောင်စုရှေ့နေချုပ်ဥပဒေနှင့်အညီ ဥပဒေကြောင်းအရသာ ဥပဒေအကြံဉာဏ်ပေးခြင်းဖြစ်ပါသည်။ ဥပဒေရေးရာမဟုတ်သည့် စီမံရေးရာ၊ ဘဏ္ဍာရေးရာ၊ ကျွမ်းကျင်မှုဆိုင်ရာကိစ္စရပ်များကို ဤရုံးအနေဖြင့် မှတ်ချက်ပေးရန်မရှိပါကြောင်းနှင့် ယင်းကိစ္စရပ်များနှင့် စပ်လျဉ်း၍ သက်ဆိုင်ရာကျွမ်းကျင်သူများနှင့် ဆွေးနွေးညှိနှိုင်းဆောင်ရွက်ရန် အကြံပြုပါသည်။

၁၀။ Longwin Global Petrochemical Company Limited သည် ဥပဒေနှင့်အညီ တရားဝင်ဖွဲ့စည်းထားသော ကုမ္ပဏီဟုတ် မဟုတ်၊ စာချုပ်ပါလုပ်ငန်းကို လုပ်ကိုင်နိုင်စွမ်းနှင့် လုပ်ကိုင်နိုင်ခွင့်ရှိ မရှိ၊ ငွေကြေး အင်အား ပြည့်စုံမှုရှိ မရှိ၊ စာချုပ်တွင် လက်မှတ်ရေးထိုးမည့်သူသည်

တရားဝင်လွှဲအပ်ခြင်းခံရသူဟုတ် မဟုတ် စသည်တို့အတွက် သက်ဆိုင်ရာ စာရွက်စာတမ်းများ တောင်းယူစိစစ်သင့်ပါသည်။

၁၁။ ဤစာချုပ်(မူကြမ်း)များကို လက်မှတ်ရေးထိုးချုပ်ဆိုပြီးပါက မှတ်တမ်းတင်ထားနိုင်ရန်အတွက် ဤရုံးသို့ မိတ္တူ(၃)စောင်စီပေးပို့ရန် မေတ္တာရပ်ခံအပ်ပါသည်။

၁၂။ ဤအကြံပြုချက်ကို လျှို့ဝှက်အဆင့် သတ်မှတ်ဆောင်ရွက်ရန်ဖြစ်ပါသည်။

(ကျော်ဆန်း)

ညွှန်ကြားရေးမှူးချုပ်(တာဝန်)

စွမ်းအင်ဝန်ကြီးဌာန

မိတ္တူ - ရုံးလက်ခံ / မျှောစာတွဲ

ကန့်သတ်

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်

ပြည်ထောင်စုစာရင်းစစ်ချုပ်ရုံး

စာအမှတ်၊ စဆ - ၈ / ၁၄၀ (၇၅ / ၂၀၁၆)

ရက်စွဲ ၊ ၂၀၁၆ ခုနှစ်၊ မတ်လ (၁) ရက်

သို့

ပြည်ထောင်စုဝန်ကြီး
စွမ်းအင်ဝန်ကြီးဌာန

အကြောင်းအရာ။ စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်း၊ Guangdong Zhenrong Energy Co.,Ltd. (GDZR) ၊ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက် (MEHL)နှင့် Yangon Engineering Group (YEG) တို့ "Longwin Global Petrochemical Company Limited" တည်ထောင်၍ တစ်နှစ်လျှင် ရေနံစိမ်း မက်ထရစ်တန်ချိန် ၅ သန်းချက်လုပ်နိုင်မည့် ရေနံချက်စက်ရုံတည်ဆောက်မှု စီမံကိန်းကို BOT စနစ်ဖြင့် ပူးပေါင်းဆောင်ရွက်မည့် Joint Venture Agreement (မူကြမ်း)အပေါ် သဘောထားမှတ်ချက်တောင်းခံခြင်းကိစ္စ

ရည်ညွှန်းချက်။ စွမ်းအင်ဝန်ကြီးဌာန၏ ၁၁-၂-၂၀၁၆ ရက်စွဲပါစာအမှတ်၊ စီမံ-စာရင်း/၃/၀၃ (၁၆၅)၂၀၁၆

၁။ စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်းသည် ပြည်ပကုမ္ပဏီ(၁)ခု၊ မြန်မာနိုင်ငံတိုင်းရင်းသားကုမ္ပဏီ(၂)ခုတို့နှင့်ပူးပေါင်း၍ Joint Venture Agreement ဖြင့် Longwin Global Petrochemical Company Limited ကို ရန်ကုန်မြို့၌ တည်ထောင်၍ တနင်္သာရီတိုင်းဒေသကြီး၊ ထားဝယ်ခရိုင်၊ လောင်းလုံမြို့၏ တောင်ဘက်သုံးမိုင်အကွာရှိ ယင်းဘုတ်ကျေးရွာအနီးတွင် တစ်နှစ်လျှင် ရေနံစိမ်းမက်ထရစ်တန်ချိန်(၅)သန်း ချက်လုပ်နိုင်မည့် ရေနံချက်စက်ရုံတည်ဆောက်မှုစီမံကိန်းကို BOT စနစ်ဖြင့် ဆောင်ရွက်မည့် Joint Venture Agreement (မူကြမ်း) အပေါ် သဘောထားမှတ်ချက်ပြန်ကြားပေးပါရန် ရည်ညွှန်းပါစာဖြင့် ညှိနှိုင်းမေတ္တာရပ်ခံလာပါသည်။

၂။ Joint Venture Agreement(မူကြမ်း)ကို စိစစ်ရာ စာရင်းစစ်ခန့်အပ်ရာတွင် မြန်မာနိုင်ငံကုမ္ပဏီများအက်ဥပဒေအပြင် မြန်မာနိုင်ငံစာရင်းကောင်စီဥပဒေအရ သတ်မှတ်စည်းကမ်းချက်များနှင့်ပါ ကိုက်ညီရန်လိုအပ်ကြောင်း ပြန်ကြားအပ်ပါသည်။

မြိုးမြင့်
ပြည်ထောင်စုစာရင်းစစ်ချုပ်

ကန့်သတ်

မိတ္တူ

နိုင်ငံတော်သမ္မတရုံး

သမ္မတဦးစီးရုံး

ပြည်ထောင်စုအစိုးရအဖွဲ့ရုံး

ရုံးလက်ခံ

မျှော

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
အမျိုးသားစီမံကိန်း နှင့် စီးပွားရေးဖွံ့ဖြိုးတိုးတက်မှု ဝန်ကြီးဌာန
ပြည်ထောင်စုဝန်ကြီးရုံး

စာအမှတ်၊ အမစ - ၁ / ၃ / ၉ (၁၄၃၆ / ၂၀၁၆)
ရက်စွဲ၊ ၂၀၁၆ ခုနှစ် ဖေဖော်ဝါရီလ ၂၂ ရက်

သို့

စွမ်းအင်ဝန်ကြီးဌာန

အကြောင်းအရာ။ စွမ်းအင်ဝန်ကြီးဌာနနှင့် GUANGDONG ZHENRONG ENERGY CO., LTD၊ MYANMA ECONOMIC HOLDINGS LTD နှင့် YANGON ENGINEERING GROUP COMPANY LIMITED တို့အကြား လက်မှတ်ရေးထိုးချုပ်ဆိုမည့် Longwin Global Petrochemical Company Limited တည်ထောင်၍ ရေနံချက်စက်ရုံ တည်ဆောက်မှုစီမံကိန်းဆိုင်ရာ Joint Venture Agreement-JVA(မူကြမ်း)အပေါ် သဘောထားပြန်ကြားရန်ကိစ္စ

ရည်ညွှန်းချက် ။ စွမ်းအင်ဝန်ကြီးဌာန၏ ၄-၂-၂၀၁၆ ရက်စွဲပါ စာအမှတ်၊ စီမံ-စာရင်း/၃/၀၃ (၁၁၇)၂၀၁၆

၁။ စွမ်းအင်ဝန်ကြီးဌာနနှင့် GUANGDONG ZHENRONG ENERGY CO., LTD၊ MYANMA ECONOMIC HOLDINGS LTD နှင့် YANGON ENGINEERING GROUP COMPANY LIMITED တို့အကြား လက်မှတ်ရေးထိုးချုပ်ဆိုမည့် Longwin Global Petrochemical Company Limited တည်ထောင်၍ ရေနံချက်စက်ရုံ တည်ဆောက်မှုစီမံကိန်းဆိုင်ရာ Joint Venture Agreement-JVA (မူကြမ်း)အပေါ် အောက်ပါအတိုင်း သဘောထားမှတ်ချက် ပြန်ကြားပေးပို့အပ်ပါသည် -

(က) JVA(မူကြမ်း)အရ စွမ်းအင်ဝန်ကြီးဌာနနှင့် GUANGDONG ZHENRONG ENERGY CO., LTD၊ MYANMA ECONOMIC HOLDINGS LTD နှင့် YANGON ENGINEERING GROUP COMPANY LIMITED တို့ပူးပေါင်း၍ Longwin Global Petrochemical Company Limited တည်ထောင်၍ တနင်္သာရီတိုင်းဒေသကြီး၊ ထားဝယ်တွင် တစ်နှစ်လျှင် မက်ထရစ်တန်ချိန် (၅)သန်းချက်လုပ်နိုင်သည့် ရေနံချက်စက်ရုံတည်ဆောက်မှု စီမံကိန်းအား B.O.T စနစ်ဖြင့် တည်ဆောက်၍ လုပ်ငန်းလည်ပတ်ဆောင်ရွက်ရန်ဖြစ်ပြီး စီမံကိန်းကာလမှာ နှစ်(၅၀)ဖြစ်ကြောင်း တွေ့ရှိရပါသည်။

(ခ) JVA(မူကြမ်း)အရ ဖက်စပ်အစုရှယ်ယာများအဖြစ် စွမ်းအင်ဝန်ကြီးဌာနမှ 3.5%၊ GUANGDONG ZHENRONG ENERGY CO., LTD မှ 70% ၊ MYANMA ECONOMIC HOLDINGS LTD မှ 20% နှင့် YANGON ENGINEERING GROUP COMPANY LIMITED မှ 6.5% အသီးသီးပါဝင်ကြောင်း တွေ့ရှိရပါသည်။

(ဂ) JVA(မူကြမ်း)ခေါင်းကြီးပိုင်းတွင် "..........AMONG MINISTRY OF ENERGY OF THE REPUBLIC OF THE UNION OF MYANMAR AND GUANGDONG

ZHENRONG ENERGY CO., LTD. AND MYANMA ECONOMIC HOLDINGS LTD. AND YANGON ENGINEERING GROUP COMPANY LIMITED" ဟု ပြင်ဆင်ဖော်ပြရန် အကြံပြုအပ်ပါသည်။

(ဃ) သဘောတူစာချုပ် အပိုဒ် 8.1 တွင် "MOE shall assist in acquiring the following exemptions and reliefs defined under Section 27 of the FIL shall be granted to the Project Company and the Project:" ဟု ဖော်ပြထားရာ နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှု ဥပဒေတွင် ပုဒ်မ ၂၇ ပါ ကင်းလွတ်ခွင့်နှင့်သက်သာခွင့်များတွင် ပုဒ်မခွဲ(က)မှအပ ကျန်ကင်းလွတ်ခွင့်နှင့်သက်သာခွင့်များကို ရင်းနှီးမြှုပ်နှံသူမှ လျှောက်ထားလာမှသာ စိစစ်ခွင့်ပြုပေးမည်ဟု ပြဋ္ဌာန်းထားသဖြင့် ဥပဒေနှင့် ကိုက်ညီမှုရှိစေရန် "MOE will assist the Project Company and the Project in acquiring exemptions and reliefs defined under Section 27 of the Foreign Investment Law. **Except tax exemption and relief contained in 8.1.1, the Project Company shall apply to MIC for one or more than one or all of the following tax exemptions or tax reliefs"** ဟု ပြင်ဆင်ဖော်ပြသင့်ပါသည်။

(င) သဘောတူစာချုပ် အပိုဒ် 8.1.7 တွင် "Right to carry forward and set-off up to 3 consecutive years from the year the loss is sustained within two years following the enjoyment of exemption or relief from income tax as contained in sub-section (a), for each business:"ဟုဖော်ပြထားရာ နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဥပဒေ ပုဒ်မ ၂၇ (ဆ) ပါ စာသားအတိုင်း "Right to carry forward and set-off the **loss** up to 3 consecutive years from the year the loss is **actually** sustained within two years following the enjoyment of exemption or relief from income tax as contained in sub-section (a), for each business:" ဟုပြင်ဆင်ဖော်ပြသင့်ပါသည်၊

(စ) သဘောတူစာချုပ် အပိုဒ် 8.1.12 တွင် မြန်မာအစိုးရမှ Project Company အား ပေးအပ်ထားသည့် အခွန်ကင်းလွတ်ခွင့်နှင့်သက်သာခွင့်များကို မည်သည့် ဥပဒေ၊ အစိုးရ (သို့မဟုတ်) ၎င်း၏ ဝန်ထမ်းများက ပြန်လည်ရုတ်သိမ်းခြင်း (သို့မဟုတ်) ရပ်ဆိုင်းခြင်းပြုလုပ်၍မရပါကြောင်း၊ သက်ဆိုင်ရာအခွန်ဥပဒေများနှင့်၄င်းသဘောတူစာချုပ်ပါ အခွန်ကင်းလွတ်ခွင့်နှင့် သက်သာခွင့်များ ကွဲလွဲမှုရှိပါက သဘောတူစာချုပ်ပါ အချက်များက လွှမ်းမိုးရမည် ဖြစ်ပါကြောင်း၊ အခွန်ကင်းလွတ်ခွင့်၊ သက်သာခွင့်ရရှိပြီးနောက် သက်ဆိုင်ရာ အခွန်ဥပဒေများအား ပြောင်းလဲခြင်းနှင့် ပြင်ဆင်ခြင်းတို့ ပြုလုပ်ပါက အဆိုပါ ပြောင်းလဲခြင်းနှင့် ပြင်ဆင်ခြင်းတို့သည် Project Company အား မူလထက်ပိုမို၍ အခွန်ပေးဆောင်စေရပါက အဆိုပါ ပြောင်းလဲခြင်းနှင့် ပြင်ဆင်

ခြင်းတို့သည် Project Companyနှင့် သက်ဆိုင်ခြင်းမရှိပါကြောင်းနှင့် အခွန်ကင်းလွတ်ခွင့်၊ သက်သာခွင့်များ ရရှိပြီးနောက် အစိုးရမှ အခြားနိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုများသို့ပေးသောအခွန်ကင်းလွတ်ခွင့်နှင့် သက်သာခွင့်များသည် ၎င်းအားပေးထားသည့် ကင်းလွတ်ခွင့်နှင့် သက်သာခွင့်များထက် ပိုများနေပါက Project Company သည် ယင်းကဲ့သို့ ပေးထားသော ကင်းလွတ်ခွင့်နှင့် သက်သာခွင့်များအား အလိုအလျောက် ရရှိစေရမည်ဟုလည်းကောင်း ဖော်ပြထားရာ စာချုပ်ဝင် အချင်းချင်းအကြား ချုပ်ဆိုမည့် လုပ်ငန်းဆိုင်ရာ သဘောတူစာချုပ်သည် နိုင်ငံတော်မှ လိုအပ်ချက်အရ ပြင်ဆင်ထုတ်ပြန်မည့် ဥပဒေများအပေါ် လွှမ်းမိုးသည့် သဘောသက်ရောက်နေပါသဖြင့် အပိုဒ် (8.1.12)အား ထည့်သွင်းချုပ်ဆိုရန် မသင့်ဟုသုံးသပ်ရပါသည်။

(ဆ) JVA(မူကြမ်း)ပါ စီမံကိန်း အကောင်အထည်ဖော်ဆောင်ရွက်ရာတွင် တည်ဆဲပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဥပဒေ(၂၀၁၂)၊ ယင်းနှင့်သက်ဆိုင်သည့် နည်းဥပဒေ၊ စည်းမျဉ်းစည်းကမ်းများ၊ လုပ်ထုံးလုပ်နည်းများနှင့်လည်းကောင်း၊ နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဥပဒေ(၂၀၁၂)၊ ယင်းနှင့် သက်ဆိုင်သည့် နည်းဥပဒေ၊ စည်းမျဉ်းစည်းကမ်းများနှင့်လည်းကောင်း၊ မြန်မာနိုင်ငံ ရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ အမိန့်ကြော်ငြာစာအမှတ် (၄၉/၂၀၁၄)နှင့် (၅၀/၂၀၁၄)တို့နှင့်အညီ ဆောင်ရွက်ရန်ဖြစ်ပါကြောင်း ဖော်ပြအပ်ပါသည်။

(ဇ) JVA(မူကြမ်း)ပါ စီမံကိန်းအား အကောင်အထည်ဖော်ဆောင်ရွက်ရာတွင် ဒေသခံပြည်သူများ၏ သဘောထားနှင့်အညီ ဆောင်ရွက်ရန်နှင့် တိုင်းဒေသကြီး/ ပြည်နယ်အစိုးရအဖွဲ့၏ သဘောတူညီချက်ဖြင့်ဆောင်ရွက်ရန်ဖြစ်ပါကြောင်း ဖော်ပြအပ်ပါသည်။

(ဈ) JVA လက်မှတ်ရေးထိုးချုပ်ဆိုပြီးပါက ဆောင်ရွက်မည့် လုပ်ငန်းစီမံကိန်းနှင့် အသုံးပြုမည့်ငွေ ပမာဏတို့ကို လျှပ်စစ်စွမ်းအားဝန်ကြီးဌာန၏ ကဏ္ဍအလိုက် စီမံကိန်းရည်မှန်းချက်များနှင့် သက်ဆိုင်ရာ လုပ်ငန်းဆောင်ရွက်မည့် တိုင်းဒေသကြီး၊ ပြည်နယ်များ၏ ဒေသများအလိုက် စီမံကိန်းရည်မှန်းချက်များတွင် ထည့်သွင်းရေးဆွဲရမည်ဖြစ်ပါကြောင်းနှင့် ငွေလုံးငွေရင်းဖြစ်ပါက အမျိုးသားစီမံကိန်းတွင် ထည့်သွင်းနိုင်ရေးအတွက် စီမံကိန်းရေးဆွဲရေးဦးစီးဌာနသို့ ဆက်လက်ပေးပို့ရန်ဖြစ်ပါသည်။

(ည) JVA(မူကြမ်း)ပါ မိမိဘက်မှ တာဝန်ယူဆောင်ရွက်ပေးရမည့် ကိစ္စများ၊ လုပ်ငန်းကျွမ်းကျင်မှုဆိုင်ရာ သတ်မှတ်ချက်များနှင့်စပ်လျဉ်း၍ နိုင်ငံတော်၏ တည်ဆဲဥပဒေ၊ နည်းဥပဒေ၊ စည်းမျဉ်းစည်းကမ်းများ၊ လုပ်ထုံးလုပ်နည်းများနှင့် ညီညွတ်မှုရှိရန် လိုအပ်မည်ဖြစ်ပါသဖြင့် သက်ဆိုင်ရာလုပ်ငန်း အကောင်အထည်ဖော်မည့် ဌာနအဖွဲ့အစည်းမှ တာဝန်ယူစိစစ်ရန်ဖြစ်ပါသည်။

၂။ JVA(မူကြမ်း)ပါ သတ်မှတ်ချက်များအပေါ် သက်ဆိုင်ရာဌာနမှ သဘောတူလက်ခံပါက ဤဝန်ကြီးဌာနအနေဖြင့် ကန့်ကွက်ရန်မရှိပါကြောင်း ပြန်ကြားအပ်ပါသည်။

၃။ JVA လက်မှတ်ရေးထိုးပြီးပါက Soft Copy နှင့် Hard Copy (၁)စုံစီကို ဤဝန်ကြီးဌာနသို့ ပေးပို့ပါရန် ညှိနှိုင်းအပ်ပါသည်။

၁၁/၁/၂၀၁၆

ပြည်ထောင်စုဝန်ကြီး(ကိုယ်စား)
(ထွန်းထွန်းနိုင်၊ အမြဲတမ်းအတွင်းဝန်)

မိတ္တူကို
နိုင်ငံခြားစီးပွားဆက်သွယ်ရေးဦးစီးဌာန
ရုံးလက်ခံ/မျှောစာတွဲ

ပြည်ထောင်စုသမ္မတ မြန်မာနိုင်ငံတော်အစိုးရ

ဘဏ္ဍာရေး ဝန်ကြီးဌာန

ဝန်ကြီးရုံး

စာအမှတ်၊ ဘဏ္ဍာ- ၂/ ၂/ ၂၆၄(၁၂၂၁/၂၀၁၆)

ရက်စွဲ၊ ၂၀၁၆ ခုနှစ်၊ ဖေဖော်ဝါရီလ ၂၈ ရက်

သို့

ပြည်ထောင်စုဝန်ကြီး

စွမ်းအင်ဝန်ကြီးဌာန

အကြောင်းအရာ။ သဘောထားမှတ်ချက်ပြန်ကြားခြင်းကိစ္စ။

ရည် ညွှန်း ချက် ။ စွမ်းအင်ဝန်ကြီးဌာန၏၄-၂-၂၀၁၆ ရက်စွဲပါစာအမှတ်၊ စီမံ-စာရင်း/၃/၀၃(၁၁၈) ၂၀၁၆

၁။ စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓါတုဗေဒလုပ်ငန်း၊ Guangdong Zhenrong Energy Co., Ltd (GDZR)၊ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက် (MEHL) နှင့် Yangon Engineering Group (YEG) တို့ပူးပေါင်း၍ Longwin Global Petrochemical Company Limited ကို ရန်ကုန်မြို့၌ တည်ထောင်ပြီး တနင်္သာရီတိုင်းဒေသကြီး၊ ထားဝယ်ခရိုင်၊ လောင်းလုံမြို့၏ တောင်ဘက်သုံးမိုင်ခန့်အကွာရှိ ယင်းဘုတ်ကျေးရွာအနီးတွင် တစ်နှစ်လျှင် ရေနံစိမ်းတန်ချိန် (၅) သန်း ချက်လုပ်နိုင်သည့် ရေနံချက်စက်ရုံတည်ဆောက်မှုစီမံကိန်းကို ပူးပေါင်းဆောင်ရွက်ရန် အတွက် ချုပ်ဆိုမည့် Joint Venture Agreement (JVA) မူကြမ်းအပေါ် ဤဝန်ကြီးဌာန၏ သဘောထား မှတ်ချက်မှာ အောက်ပါအတိုင်း ဖြစ်ပါသည်-

(က) မြန်မာနိုင်ငံရင်းနှီးမြှုပ်နှံမှုကော်မရှင်၏ ခွင့်ပြုချက်ရယူရန် လိုအပ်ပြီးတည်ဆဲ နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှုဥပဒေ၊ မြန်မာနိုင်ငံသားများရင်းနှီးမြှုပ်နှံမှုဥပဒေနှင့် နည်းဥပဒေများနှင့်အညီ ဆောင်ရွက်သင့်ပါသည်။

(ခ) စီမံကိန်းနှင့်ပတ်သက်၍ သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းရေးနှင့် လူမှုအကျိုးစီးပွားအပေါ် အကျိုးသက်ရောက်မှုရှိ - မရှိ သက်ဆိုင်ရာဌာနများနှင့် ညှိနှိုင်းသင့်ပြီးသက်ဆိုင်ရာဝန်ကြီးဌာနအနေဖြင့် ပတ်ဝန်းကျင်ထိန်းသိမ်းရေး ဥပဒေနှင့်အညီညှိနှိုင်း ဆောင်ရွက်သင့်ပါသည်။

(ဂ) စာချုပ်အပိုဒ် (5.2.1.1) တွင် စီမံကိန်းတန်ဖိုး၏ ၂၀% ကို Paid up Capital (သို့မဟုတ်) Shareholder Loan ဖြင့် ဆောင်ရွက်မည်ဟု လည်းကောင်း၊ စာချုပ်အပိုဒ် (5.2.1.2) တွင် စီမံကိန်းတန်ဖိုး၏ ၈၀% ကို ဘဏ်ချေးငွေမှတဆင့် Project Loan ပုံစံဖြင့် ဆောင်ရွက်မည်ဟုလည်းကောင်း ဖော်ပြထားပါသည်။သို့ပါ ၍ စာချုပ်မချုပ်ဆိုမီကပင်ချေးငွေကို မည်သည့်အတိုးနှုန်းဖြင့်ရယူမည်၊ စီမံကိန်း၏ ဝင်ငွေ၊

အသုံးစရိတ်စသည့် အချက်အလက်များကို သိရှိပြီးမှသာ စီမံကိန်းကို JV/BOT စနစ်ဖြင့် ဆောင်ရွက်ရန် သင့်မသင့် စိစစ်သင့်ပါသည်။

(ဃ) Joint Venture လုပ်ငန်းဆောင်ရွက်ရာတွင် နှစ်စဉ်ရရှိမည့် အမြတ်ခွဲဝေရရှိငွေများကို မြန်မာ့ရေနံဓာတုလုပ်ငန်း၏ ရသုံးမှန်းခြေငွေစာရင်း သာမန်စာရင်းအောက်တွင် သာမန်ရငွေအဖြစ် လျာထားရမည်ဖြစ်ပါသည်။

(င) Joint Venture Agreement စာချုပ်(မူကြမ်း)အပေါ် မြန်မာနိုင်ငံတံဆိပ်အကောက်ဥပဒေ နောက်ဆက်တွဲဇယား(၁)အရ ကျသင့်တံဆိပ်ခေါင်းခွန် ထမ်းဆောင်ရန်ဖြစ်ပြီး အဆိုပါ စာချုပ်(မူကြမ်း)ပါ စာပိုဒ် ၃၊စာပိုဒ်ခွဲ ၃.၄၊ ၃.၅နှင့် ၃.၆ တို့တွင် ဖော်ပြထားသော အခွန်ဆိုင်ရာကင်းလွတ်ခွင့်၊ သက်သာခွင့်များအပါအဝင် စာချုပ် (မူကြမ်း) အရ ဆောင်ရွက်မည့် အခြားအခွန်ဆိုင်ရာကိစ္စရပ်များနှင့်စပ်လျဉ်း၍ တည်ဆဲအခွန်ဆိုင်ရာ ဥပဒေ၊နည်းဥပဒေ၊စည်းမျဉ်းများနှင့်အညီ လိုက်နာဆောင်ရွက်ရန်ဖြစ်ပါသည်။

(စ) အကောက်ခွန်ကင်းလွတ်ခွင့်ဆိုင်ရာကိစ္စရပ်များနှင့်ပတ်သက်၍ စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့ရေနံဓာတုလုပ်ငန်းသည် ဘဏ္ဍာရေးဝန်ကြီးဌာန၏ အကောက်ခွန်ကင်းလွတ်ခွင့်ဆိုင်ရာဥပဒေ၊လုပ်ထုံးလုပ်နည်း၊စည်းမျဉ်းစည်းကမ်းများအတိုင်း လိုက်နာဆောင်ရွက်သွားရန် လိုအပ်ပါသည်။

၂။ လိုအပ်သလို ဆောင်ရွက်နိုင်ပါရန် ပြန်ကြားအပ်ပါသည်။

ပြည်ထောင်စုဝန်ကြီး(ကိုယ်စား)
(ဒေါက်တာလင်းအောင်၊ဒုတိယဝန်ကြီး)

မိတ္တူကို

- မြန်မာ့နိုင်ငံခြားကုန်သွယ်မှုဘဏ်
- ရသုံးမှန်းခြေငွေစာရင်းဦးစီးဌာန
- ငွေတိုက်ဦးစီးဌာန
- ပြည်တွင်းအခွန်များဦးစီးဌာန
- အကောက်ခွန်ဦးစီးဌာန

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ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်

မြန်မာနိုင်ငံတော်ဗဟိုဘဏ်

စာအမှတ်၊ မဗဘ/ ဘဏ်စီစစ်/ ၄ (၅၀/၂၀၁၆)

ရက်စွဲ၊ ၂၀၁၆ ခုနှစ်၊ ဖေဖော်ဝါရီလ ၁၉ ရက်

သို့

စွမ်းအင်ဝန်ကြီးဌာန

အကြောင်းအရာ ။ **Longwin Global Petrochemical Company Limited မှ ရေနံချက်စက်ရုံစီမံကိန်းတည်ဆောက်ရန်အတွက် အဆိုပြုတင်ပြလာသော Joint Venture Agreement (မူကြမ်း) အပေါ် သဘောထားမှတ်ချက်ပြန်ကြားခြင်း**

ရည် ညွှန်း ချက် ။ စွမ်းအင်ဝန်ကြီးဌာန၏ ၄-၂-၂၀၁၆ ရက်စွဲပါ စာအမှတ်၊ စီမံ- စာရင်း/ ၃/ ၀၃ (၁၀၉) ၂၀၁၆

စွမ်းအင်ဝန်ကြီးဌာနမှ မြန်မာ့ရေနံဓာတုဗေဒလုပ်ငန်း၊ တရုတ်ပြည်သူ့သမ္မတနိုင်ငံ၊ Guangdong Zhenrong Energy Group (GDZR)၊ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက် (MEHL) နှင့် Yangon Engineering Group (YEG) တို့ ပူးပေါင်း၍ Longwin Global Petrochemical Company Limited ကို တည်ထောင်ကာ ရေနံစိမ်းတန်ချိန် (၅) သန်း ချက်လုပ်နိုင်သည့် ရေနံချက်စက်ရုံတည်ဆောက်မှုစီမံကိန်းအတွက်ချုပ်ဆိုမည့် Joint Venture Agreement (မူကြမ်း) အပေါ် မြန်မာနိုင်ငံတော်ဗဟိုဘဏ်၏ သဘောထားမှတ်ချက်အား အောက်ပါအတိုင်း ပြန်ကြားအပ်ပါသည်-

(က) စာချုပ် (မူကြမ်း) အပိုဒ် ၅.၂.၁ တွင် project အတွက် စုစုပေါင်းရင်းနှီးမြှုပ်နှံမည့်ပမာဏမှာ အမေရိကန်ဒေါ်လာ ၂.၆၀၃ ဘီလီယံ ခန့်မှန်းထားပြီး GDZR မှ ရင်းနှီးမြှုပ်နှံမှုပမာဏ၏ ၂၀% ခန့်အား မတည်ရင်းနှီးငွေ နှင့်/ သို့မဟုတ် shareholder loan အဖြစ်လည်းကောင်း၊ ၈၀%ခန့်အား ဘဏ်ချေးငွေဖြင့်လည်းကောင်း ယူဆောင်လာမည်ဖြစ်ကြောင်းဖော်ပြထားရာ Project Company အနေဖြင့် မြန်မာနိုင်ငံပြင်ပမှ နိုင်ငံခြားငွေဖြင့် shareholder loan များ၊ ဘဏ်ချေးငွေများ ယူဆောင်လာမည်ဆိုပါက နိုင်ငံခြားသုံးငွေစီမံခန့်ခွဲမှုဥပဒေ၊ စည်းမျဉ်းများနှင့်အညီ မြန်မာနိုင်ငံတော်ဗဟိုဘဏ်၏ ခွင့်ပြုချက်ရယူရန် လိုအပ်ပါသည်၊

(ခ) စာချုပ် (မူကြမ်း) အပိုဒ် ၁၂.၃ တွင် ရေနံချက်စက်ရုံမှ ထွက်ရှိလာမည့် လောင်စာဆီနှင့် ရေနံထွက်ပစ္စည်းများအား ပြည်တွင်း၌ရောင်းချရန်မဟုတ်ဘဲ ပြည်ပသို့သာတင်ပို့ရောင်းချမည်ဖြစ်ကြောင်း ဖော်ပြထားသဖြင့် အဆိုပါပို့ကုန်ရောင်းရငွေများ

မြန်မာနိုင်ငံအတွင်းသို့ ပြန်လည်စီးဝင်မှု ရှိရန်လိုအပ်သည့်အတွက် ရောင်းချရငွေများ နှင့်စပ်လျဉ်း၍ မည်ကဲ့သို့လွှဲပြောင်းပေးပို့မည်ကို ထည့်သွင်းချုပ်ဆို သင့်ပါသည်၊

(ဂ) စာချုပ် (မူကြမ်း) General Obligations of MEHL၊ အပိုဒ် ၁၄.၃.၂ တွင် MEHL အနေဖြင့် သတ်မှတ်ထားသော လုပ်ငန်းဧရိယာအတွင်းရှိ မြို့နယ်များ၊ ကျေးရွာများ၊ စိုက်ပျိုးမြေများ၊ သစ်သီးခြံများ၊ ဘာသာရေးဆိုင်ရာအထိမ်းအမှတ်များ၊ ဘုန်းတော်ကြီးကျောင်းများ၊ ခရစ်ယာန်ဘုရားရှိခိုးကျောင်းများ၊ စာသင်ကျောင်းများနှင့် ဆေးရုံများအား ရွှေ့ပြောင်းပေးရမည်ဖြစ်ပြီး ပြန်လည်နေရာချထားခြင်းများ ဆောင်ရွက်ရမည် ဖြစ်ကြောင်း ဖော်ပြထားရာ MEHL အနေဖြင့် ဒေသခံအာဏာပိုင်များ၊ ဒေသခံများ ကျေနပ်မှုရှိစေရန်နှင့် ဒေသခံပြည်သူများ၏ အကျိုးစီးပွားအား အထူးသတိပြု ဆောင်ရွက်ရန်လိုအပ်ပါသည်၊

(ဃ) Chinese Technologies နှင့် Chinese Standard များနှင့်အညီ ဆောင်ရွက်မည် ဖြစ်ကြောင်း ဖော်ပြထား၍ International Standard နှင့် Technology ကို တန်းမီ ခြင်း ရှိ/မရှိ Project မစမီကပင် စိစစ်ရန်လိုအပ်ပါသည်၊

(င) MEHL သည် အမေရိကန်နိုင်ငံအစိုးရ၏ SDN List တွင် ပါရှိဆဲဖြစ်၍ ၎င်းက shareholder အဖြစ်ပါဝင်သည့်ကုမ္ပဏီအနေဖြင့် ပြည်ပသို့ ငွေရေးကြေးရေးလွှဲပြောင်း ပေးချေမှုများ (financial transaction များ) ချောမွေ့စွာဆောင်ရွက်နိုင်ခြင်း ရှိ/ မရှိ စွမ်းအင်ဝန်ကြီးဌာနအနေဖြင့် သတိပြုဆောင်ရွက်သင့်ပါသည်၊

(စ) ပူးတွဲတင်ပြလာသည့် မြေငှားစာချုပ်အရ မြေငှားချထားမည့်သူ (Lessor) မှာ MEHL ဖြစ်ပြီး မြေငှားရမ်းမည့်သူမှာ Longwin Global Petrochemical Company Limited ဖြစ်၍ ငှားရမ်းခများ ရရှိမည့်သူမှာ MEHL ဖြစ်ကြောင်း တွေ့ရှိရပါသည်။ နိုင်ငံပိုင်အဖွဲ့အစည်းဖြစ်သည့် စွမ်းအင်ဝန်ကြီးဌာနမှာ Joint Venture ကုမ္ပဏီတွင် အစုရှယ်ယာ ၃.၅% ပါဝင်ခွင့်ရှိကြောင်း တွေ့ရှိရပြီး နိုင်ငံတော်၏ ရေ၊ မြေများကို အသုံးပြုဆောင်ရွက်ခြင်းအတွက် Royalty Payment ကဲ့သို့သော ခံစားမှုမျိုးရရှိခြင်းမရှိကြောင်း သုံးသပ်တွေ့ရှိရပါသည်။

၁၉၊၂၊၂၀၁၆

ဥက္ကဋ္ဌ(ကိုယ်စား)

(ခင်စောဦး၊ ဒုတိယဥက္ကဋ္ဌ)

Proposal Form and Related Documents

For

The Five Million Metric Ton Per Annum Refinery Project

In Dawei, Tanintharyi Region, Myanmar

(Part I)

2016

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ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အတွင်း
နိုင်ငံခြားရင်းနှီးမြှုပ်နှံမှု
ပြုလုပ်ရန် ကမကထပြုသူ၏ ဆောင်ရွက်ရန်
အဆိုပြုချက်

PROPOSAL OF THE PROMOTER TO MAKE FOREIGN INVESTMENT IN THE REPUBLIC OF THE UNION OF MYANMAR

Form (1)

Proposal Form of Investor/ Promoter for Investment to be Made in the Republic of the Union of Myanmar

To

Chairman

Myanmar Investment Commission

Nay Pyi Taw

Reference No. P-S/3/03(171)2016

Dated: 18 February 2016

I do apply for the permission to make investment in the Republic of the Union of Myanmar in accordance with The Foreign Investment Law by furnishing the following particulars:

1. The Investor's or Promoter's:

(a) Name: **Permanent Secretary**

(b) Father's Name: -

(c) ID No./National Registration Card No./ Passport No: **Ministry of Energy**

(d) Citizenship: **The Republic of the Union of Myanmar**

(e) Address in Myanmar **Office No.6, Nay Pyi Taw, the Republic of the Union of Myanmar**

(f) Residence Abroad: -

(g) Name of Principle Organization: **Ministry of Energy**

(h) Type of Business: **Petroleum Business**

(i) Principle Organization's Address: **Office No.6, Nay Pyi Taw, the Republic of the Union of Myanmar**

2. As the investment is to be made by Joint Venture, the particulars of the persons wishing to participate in the Joint-Venture with the promoters are:

2.1 Joint Venture Partner – Foreign

(a) Name: **Mr. Xiong Shaohui**

(b) Father's Name: **Xiong**

(c) ID No./National Registration Card No./ Passport No: **G33006997**

(d) Citizenship: **The People's Republic of China**

(e) Address in Myanmar: -

(f) Residence Abroad: **Block Fangchengyuan 3, Fengtai District, Beijing City, People's Republic of China 100078**

(g) Parent Company: **Guangdong Zhenrong Energy Co., Ltd. ("GDZR")**

(h) Type of Business: **Trade and investment in energy and natural resources etc. Please refer to Annex-1-2-1-GDZR-Profile**

(i) Parent Company's Address: **35 F, Hejing International Finance Plaza, No.8 Huaxia Road, Zhujiang New Town, Guangzhou, People's Republic of China**

2.2 Joint Venture Partner – Local

(a) Name: **Myanma Petrochemical Enterprise**

(b) Father's Name: **N/A**

(c) ID No./National Registration Card No./ Passport No: **N/A**

(d) Citizenship: **N/A**

(e) Address in Myanmar: **Office 44, Nay Pyi Taw, Myanmar**

(f) Residence Abroad: **N/A**

(g) Parent Company: **N/A**

(h) Type of Business: **State Owned Enterprises**

(i) Parent Company's Address: **N/A**

2.3 Joint Venture Partner – Local

(a) Name: **MAJ. GEN. ZARNI WINN**

(b) Father's Name: -

(c) ID No./National Registration Card No./ Passport No: **12/DaGaNa(Naing)010220**

(d) Citizenship: **The Republic of the Union of Myanmar**

(e) Address in Myanmar: **Directorate of Military Procurement MOD**

(f) Parent Company: **Myanma Economic Holdings Limited (MEHL)**

(g) Type of Business: **Various industries including gems, banking, tourism, real estate, transportation and metals**

(h) Parent Company's Address: **No. 189-191 Mahabandoola Road, Botataung Township, Yangon, the Republic of the Union of Myanmar**

2.4 Joint Venture Partner – Local

(a) Name: **U Htoo Thet Htwe**

(b) Father's Name: **U Maung Maung**

(c) ID No./National Registration Card No./ Passport No: **7/Ta Nga Na (Naing) 096170**

(d) Citizenship: **The Republic of the Union of Myanmar**

(e) Address in Myanmar: **No. (29/105), Nwe Thargi Street, Word No.2 Shwepyi Thar Township, Yangon**

(f) Parent Company: **Yangon Engineering Group Company Limited(YEG)**

(g) Type of Business: **Construction business**

(h) Parent Company's Address: **No.(503), Condo (A), Mindama Housing, Mayangon Township, Yangon, the Republic of the Union of Myanmar**

Remarks: The following documents shall be submitted relating to the above paragraph (1) and (2):

(1) Company Registration Certificate (Copy)
Please refer to Annex-1-1-1-MOE-Certificate, Annex-1-2-2-2-GDZRCertificate, Annex-1-2-2-1-GDZR-BusinessLicense, Annex-1-3-1-MEHL-Certificate, Annex-1-4-1-YEG-Certificate

(2) National Identification Card (Copy)and Passport (Copy)
Please refer to Annex-1-1-4-MOE-NationalIdentification Card, Annex-1-2-5-GDZR- Passport Copy, Annex-1-3-4-MEHL-National Identification Card, Annex-1-4-4-YEG-National Identification Card

(3) Evidences about the business and financial conditions of the participants of the proposed investment business
Please refer to Annex-1-1-5- MOE -Balance Sheet , Annex-1-1-6- MOE -Bank Statement, Annex-1-2-6-GDZR-Audit Report, Annex-1-2-7-GDZR-Certificate of Creditworthiness, Annex-1-3-5-MEHL-BalanceSheet, Annex-1-3-6-MEHL-Bank Statement, Annex-1-4-5-YEG-Statement of Finance, Annex-1-4-6-YEG-Bank Statement

3. Type of proposed investment business:

(a) Manufacturing: Oil refinery production and sales of petroleum products and semi-manufactured products related to the refinery plant; establishment of related jetty, storage and logistic facilities.
Please refer to Annex-2-Intended Business and Annex-3-List of Products

(b) Service related with manufacturing: 【N/A】

(c) Services: 【N/A】

(d) Others: 【N/A】

4. Type of business organization to be formed:

(a) One hundred percent: 【N/A】

(b)Joint Venture

(i) Foreigner and Citizen: 【N/A】

(ii) Foreigner and Government Department / Organization:

The joint venture entity shall be a company limited by shares with the name of LONGWIN GLOBAL PETROCHEMICAL COMPANY LIMITED. The joint venture company will be held 3.5% by MOE, 70% by GDZR, 20% by MEHL and 6.5% by YEG with MOE being the Golden Share holder.

(c) By Contract based: 【N/A】

(i) Foreigner and Citizen: 【N/A】

(ii) Foreigner and Government Department / Organization: 【N/A】

Remarks: The following information shall be attached for the above Paragraph (4):

(i) Share ratio for the authorized capital from abroad and local, names, citizenships, addresses and occupations of the directors;

For share ratio, please refer to Annex-5-Draft of Joint Venture Agreement. For the information of directors, please refer to Annex-4 -List of Directors

(ii) Joint Venture Agreement (Draft) and recommendation of Attorney General's Office if the investment is related with the Union

Please refer to Annex-5- Draft of Joint Venture Agreement

(iii) Contract (Agreement) (Draft)

5. Information related to company incorporation:

(a) Authorized Capital: 【US$ 4billions】

(b) Type of Share: 【Ordinary Shares】

(c) Number of Shares: 【400 million shares】

Remarks: Memorandum of Association and Articles of Association of the Company shall be submitted relating to the above paragraph 5.

Please refer to Annex-6- Draft of MOA & AOA

6. Particulars relating to Capital of the investment business:

(a) Amount/Percentage of Local capital to be contributed

【US$0 million】

(b) Amount/Percentage of Foreign capital to be brought in

【US$2,602.57 million】

Total: 【US$ 2,602.57 million】

(c) (Annual/Period) of proposed capital to be brought in(US$ in million):

【1st year 650.07, 2nd year 901.90, 3rd year 734.42, 4th year 254.82, 5th year 61.35】

(d) Last date of capital brought in: 【End of 5th year 】

(e) Proposed duration of Investment:

【50 years after the commercial operation date of the refinery plant.】

(f) Commencement date of Construction:

【Within one year after obtaining MIC Permit】

(g) Construction Period: 【3 YEARS】

7. Detail list of foreign capital to be brought in(US$ in million):

(a) Foreign currency 【316.17】

(b) Machinery and Equipments and Value 【436.09】

【Please refer to Annex7-1-List of Equipment for Construction and Annex7-2-List of Imported Vehicles for Operation】

(c) List of initial Raw Materials and Value 【340.39】

【Please refer to Annex7-3-Raw Materials for Construction and Initial Auxiliary Materials for Production】

(d) Value of License, Industrial Design, Trade Mark, Patent etc

【There is no information to be provided at the current stage and it will be rcncwcd after detailed design as the case maybe】

(e) Value of Technical know-how 【7.3】

(f) Construction fee 【1,021.11】

(g) Construction period interest 【176.15】

(h) Others 【305.36】

Total 【2,602.57】

8. Detail list of paid-up capital to be brought in from local:

(a) Amount: 【US$ 0million】

(b) Value of Machinery and Equipments: 【N/A】

(c) Rental rate for land: 【US$ 0.5 per square meter for one year】

(d) Cost of building construction: 【N/A】

(e) Value of Furniture and Assets: 【N/A】

(f) Value of initial Raw Material requirement: 【N/A】

(g) Others: 【N/A】

Total: 【US$ 0million】

9. Particulars about the investment business:

(a) Investment Place / Location(s)

【Laugnlon Township, Dawei, Tanintharyi Region, Myanmar】

(b) Type and area requirement for land or land and building

(i) Location: 【Laugnlon Township, Dawei, Tanintharyi Region, Myanmar】

(ii) Number of Land / Building area:

【The land for the investment business is zoned into 5 sections.They are main units area, staff residential area, road, landfill and jetty. The total required land and sea area is 1330.877acres, in which the required land is 931.057acres and the required sea area is 399.82acres.】

【 Please refer to Annex-9-Land and Sea Requirement and Annex-9-1-Explanation on the Use of Land and Sea】

(iii) Owner of the Land

(aa) Name/Company/Department: 【Myanma Economic Holdings Limited】

(bb) National Registration No: 【N0. 28 of 1990-1991】

(cc) Address: 【No. 189-191 Mahabandoola Road, Botataung Township, Yangon, Myanmar】

(iv) Type of Land: 【Industrial Land】

(v) Period of Land lease contract: 【50 years with twice extension for 10 years respectively by approval of MIC】

(vi) Lease Period: 【50 years with twice extension for 10 years respectively by approval of MIC】

(vii) Lease Rate

(aa) Land: 【US$ 0.5 per square meter for one year】

(bb)Building: 【N/A】

(viii) Ward: 【Laugnlon Township, Dawei】

(ix) Township: 【Laugnlon Township, Dawei】

(x) State/Region: 【Tanintharyi】

(xi) Lessee

(aa) Name/Name of Company/Department:

【Longwin Global Petrochemical Company Limited】

(bb) Father's name: 【N/A】

(cc) Citizenship:

【To be incorporated in the Republic of the Union of Myanmar】

(dd) Passport No: 【N/A】

(ee) Address: 【To be incorporated】

Remark: Following particulars shall be submitted relating to above Para 9 (b)

(i) to submit land ownership, ownership evidence and land map

【Please refer to Annex-11-1- Land Ownership Evidence -MEHL （Blocks 1& 3-6, Annex-11-2- Land Map-MEHL（Blocks 1& 3-6）】

(ii) to submit land lease (Draft) agreement and to submit recommendationof the Union Attorney General Office if the land is related to the State

【Please refer to Annex-12-1-Draft of Land Lease Agreement-MEHL （Block 1 &3-6）】

(c) Requirement of building to be constructed

(i) Type / No. of Building: 【Please refer to Annex-10-List of Main Buildings】

(ii) Area: 【1074799.44 sq.ft】

(d) Product to be produced / Service

(i)Name of Product: 【Please refer to Annex-3-List of Products】

(ii) Estimated Amount to be produced annually: 【4,631,000 tons】

(iii)Type of Service: 【Production and sales】

(iv)Estimated Value of annual Service: 【US$ 4.04132 billion】

Remarks: Detail list shall be enclosed relating to the above Para9 (d)

【Please refer to Annex-3-List of Products】

(e) Annual requirement of materials/raw materials:

【Please refer to Annex-13-List of Raw Materials for Production.】

Remarks:Relating to the above Para 9 (e) detail list of products in terms of type of products, volume, value, technical specifications for the production shallbe listed and enclosed.

【Please refer to Annex-3-List of Products】

(f) Production System: 【Mainly includescrude distillation unit, fluidized catalytic cracking (FCC) unit, continuous catalytic reforming unit, FCC gasoline hydro-desulphurization unit, diesel hydrotreating unit, aviation kerosene hydrogenation unit, gas fractionation unit, isomerization unit, product purification unit, sulfur recovery unit as well as storage

and transportation facilities, self-constructed power plant, water supply facilities and jetties】

(g) Technical Know-how:

【Vacuum distillation, catalytic cracking, non-compressor light hydrocarbon recovery, catalytic reforming, hydro-refining and isomerization】

(h) Sales System: 【Sales of products shall be in accordance with the laws and regulations of Myanmar】

(i) Annual Fuel Requirement:

(to prescribe type and quantity) :

【Fuel Oil (self-produced) FCC slurry and residual oil 172,300 tons; Fuel Gas (self-produced) 100,900 tons】

(j) Annual electricity requirement:

【434,860,000 KWH (self-produced)】

【Please refer to Annex-14-List of Generators】

(k) Annual water requirement: 【3,880,000 cubic meters】

10. Detail information about financial standing

(a) Name / Company Name: 【Guangdong Zhenrong Energy Co., Ltd.】

(b) National Registration No./Passport No: 【440000000053809】

(c) Bank Account No.: 【2002021719100056776 (ICBC)】

Remarks: To enclose bank statement from resident country or annual audit report of the principle company relating to the above Para 10.

【Please refer to Annex-1-1-5- MOE -Balance Sheet, Annex-1-1-6-MOE -Bank Statement; Annex-1-2-6-GDZR-Audit Report, Annex-1-2-7-GDZR-Certificate of Creditworthiness, Annex-1-3-5-MEHL-Balance Sheet, Annex-1-3-6-MEHL-Bank Statement, Annex-1-4-5-YEG-Statement of Finance, Annex-1-4-6-YEG-Bank Statement】

11. List of employment to be required in the investment business:

(a) Employment from local: 【684】No.【76%】

(b) Required Technicians and Executives from abroad: 【216】No.【24%】

(To express required period based on the nature of business such as Engineer, QC, Buyer, Management, etc.)

Remarks: The following particulars shall be enclosed relating to the above Para 11:

(i) No. of employee, designation, salary, etc.

(ii) Plan for Social security and welfare of staff/labor

(iii) Family accompany with foreign employee

【Please refer to Annex-15-List of Employment】

12. Particulars relating to the economic justifications:

(a) Annual Income: 【Please refer to Annex-16-Economic Justifications】

(b) Annual expenditure: 【Please refer to Annex-16-Economic Justifications】

(c) Annual net profit: 【Please refer to Annex-16-Economic Justifications】

(d) Yearly Investment: 【Please refer to Annex-16-Economic Justifications】

(e) Recoupment period: 【Please refer to Annex-16-Economic Justifications】

(f) Other benefits: 【Please refer to Annex-16-Economic Justifications】

13. Evaluation of environmental impact:

(a) Organization for evaluation of environmental impact:

【Resource & Environment Myanmar Ltd, China Petroleum EDI Safety & Environment Protection Co., Ltd (Qingdao)】

(b) Period of the evaluation for environmental impact:

【August2012--December2013】

(c) Compensation programfor environmental impact:

【Please refer to Annex-17-Compensation Program for Environmental Impact. Please refer to Annex-22-EIA&SIA for more details.】

(d) Water purification system and waste water treatment system:

【Please refer to Annex-18-Water Purifying System and Waste Water Treatment system. Please refer to Annex-22-EIA&SIA for more details.】

(e) Garbage management system:

【Please refer to Annex-19-Garbage management system. Please refer to Annex-22-EIA&SIA for more details.】

(f) System for storage of chemicals:

【The chemicals related to this project include demulsifying agent, corrosion inhibitor, scale inhibitor, passivator, combustion improver, liquid ammonia, concentrated sulfuric acid, alkaline solution etc.Three new 500m^3 caustic solution tanks are to be built for the storage of alkaline solution needed for the

project operation. All the other kinds of chemicals are stored in the chemical warehouse in the north of the refinery. Please refer to Annex-22-EIA&SIA for more details.】

14. Evaluation on Socio-economic assessment:

(a) Organization for evaluation on socio-economic assessment:

【Resource & Environment Myanmar Ltd】

(b) Duration of the evaluation on socio-economic assessment:

【August2012--December2013】

(c) No. of volunteers (Corporate Social Responsibility) program:

【Please refer to Annex-20-No. of volunteers (Corporate Social Responsibility) program. Please refer to Annex-22-EIA&SIA for more details.】

15. The above mentioned particulars and documents enclosed herewith this application are true and correct as per my understanding, checked by myself and submitted with signed hereunder.

Signature:

Name: U Pe Zin Tun

Designation: Permanent Secretary
Ministry of Energy

Annex-1-1-1-MOE-Certificate

Annex-1-1-2-MOE-Board Resolution

Annex-1-1-3-MOE-Power of Attorney

Annex-1-1-4-MOE-National Identification Card

Annex-1-1-5-MOE-Balance Sheet

Annex-1-1-6-MOE-Bank Statement

Profile
GUANGDONG ZHENRONG ENERGY CO., LTD

Guangdong Zhenrong Energy Co., Ltd. (GDZR) is a large integrated company founded in 2002, specializing in trade and investment of energy and natural resources commodities in close relation to national economy and civil life. As a leading company in oil products trade, GDZR also focuses on metal commodities, coal and chemical products. By 2010, the trade revenue had exceeded 2 billion USD; by 2011, the trade revenue had reached 5 billion USD. Meanwhile, investment projects, including large-scale storage, petrochemical, mining and non-ferrous metal are making steady progress. After nearly ten years' efforts, by initiating and reinforcing a "trade plus investment" mode, GDZR has successfully built a solid brand at home and broad, and enjoyed a good reputation in the industry.

GDZR has a sound corporate governance structure and a complete modern enterprise system. Zhuhai Zhenrong Company, the largest shareholder of GDZR, is a large-scale state-owned enterprise and one of the 5 biggest state-trading enterprises of crude oil and oil products as recorded in WTO. Other shareholders, with strong administrative resources, broad platform and connections in their respective fields, have provided sustainable and integrated resources and support to the company.

Business Scope

Crude Oil：GDZR obtained non-state-trading import qualification of crude oil in 2003 and successfully undertook the business according to plans every year since then. We are highly praised for well arrangement of supply, prices and services in the industry. By the end of 2010, the total import of crude oil has exceeded 2 million tons.

Oil Products Business：Oil products we trade include gasoline, diesel oil, kerosene, wax oil and naphtha, etc. Entrusted by Zhuhai Zhenrong Company., we acts as agent for importing aerosol kerosene and diesel oil and in our own name undertakes fuel oil non-state-trading, which mainly includes Singapore 180CST, South Korea 180CST. GDZR has imported over millions of tons of fuel oil every year. In 2010, the trade revenue of oil products has exceeded 10 billion RMB. Since the start of the oil products transit trade, the total business volume has reached over 1.5 million of tons.

Metal Business: From 2008, GDZR develops nonferrous metal international trade from the existing mineral products like copper, lead and zinc. Currently, the main products includes concentrate like copper, lead, zinc, etc., metal stock like electrolytic copper, lead ingots, zinc ingots, etc., rare earths and so on, with business pattern like domestic and international trade, processing and transit trade. In 2010, trade revenues reached 3 billion RMB and expected to hit 10 billion in 2011. The import volume of zinc concentrate is rated top 5 domestically and the trade volume of zinc ingots is rated top 3 in Shanghai stock market. In 2010, GDZR make its presence in the rare earth market, in 2011, a rare earth company was founded by GDZR in order to build an industrial chain. Meanwhile, in recent years, we have done a lot in integrating mine resources, smelting industry and in developing and cultivating trading market. Currently, the

lead-zinc industry chain of nonferrous metal has finished its layout, fully prepared for the leapfrog development of the nonferrous industry. Guangdong Zhenrong plans to create its own nonferrous metal brand during the twelfth five-year-plan period, to build industry chain of copper, zinc and other basic metals, covering mine resources, smelting industry. Our goal is to become top 10 in terms of overall strength in China.

Coal Business: In recent years, the domestic coal trade has made significant progress, showing a healthy trend. Guangdong Zhenrong has established a business network in the northern coal-producing areas. By establishing good partnership with five major power groups, several domestic local power plants and large-scale local power companies, we have become a major supplier of coal, whose domestic trade volume of coal has exceeded 2 million tons. We also accumulated extensive experience in importing Indonesian coal. By 2010, the total import volume of Indonesian coal is over 1.5 million tons.

企业法人营业执照

注册号440000000053809

名称	广东振戎能源有限公司
住所	广州市天河区珠江新城华夏路8号合景国际金融广场第35层
法定代表人姓名	熊韶辉
注册资本	人民币壹亿元
公司类型	有限责任公司
实收资本	人民币壹亿元
经营范围	销售：煤炭(有效期至2013年6月27日)，石油制品（不含危险化学品），汽车（不含实行汽车品牌销售管理的汽车），焦油，矿产品（不含钨、锡、锑的出口贸易），金银制品，有色金属，金属制品，水泥，天然橡胶，纺织品，日用百货，工艺美术品，农副产品，化肥，土畜产品（不含种畜），电器机械设备，电子产品及通信设备（不含广播电视发射设施及接收设备）；以自有资金进行实业投资，经营和代理各类商品及技术的进出口（法律、行政法规禁止的项目除外；法律、行政法规限制的项目须取得许可证后方可经营）；批发危险化学品[具体按粤穗安经（乙）字[2011]000764号（6）号经营，有效期至2014年5月10日]。
成立日期	二〇〇二年二月十一日
营业期限	至 长期

广东省工商行政管理局

二〇一二年七月十一日

3

广东振戎股份公司

150127794-001 1/1 ②
缅甸 E D C
2015/06/08

缅甸

公 证 书

中华人民共和国广东省广州市广州公证处

GUANGZHOU NOTARY PUBLIC OFFICE
GUANGZHOU CITY, GUANGDONG PROVINCE, THE PEOPLE'S REPUBLIC OF CHINA

企业法人营业执照

（副　本）（副本号:1-1）

注册号　440000000053809

名　　称	广东振戎能源有限公司
住　　所	广州市天河区珠江新城华夏路8号合景国际金融广场第35层
法定代表人姓名	熊韶辉
注册资本	人民币叁亿捌仟捌佰万元
实收资本	人民币叁亿捌仟捌佰万元
公司类型	有限责任公司
经营范围	批发：煤炭，危险化学品[具体按粤穗安经（乙）字[2011]000764号（6）号经营]，预包装食品、散装食品、乳制品（含婴幼儿配方乳粉）（主营：食用油，肉类熟食制品，面粉，烹调佐料）（以上项目按本公司有效许可证经营）；销售:石油制品（不含危险化学品），汽车（不含实行汽车品牌销售管理的汽车），焦油，矿产品（不含钨、锡、锑的出口贸易），金银制品，有色金属，金属制品，水泥，天然橡胶，纺织品，日用百货，工艺美术品，农副产品，化肥，土畜产品（不含种畜），电器机械设备，电子产品及通信设备（不含广播电视发射设施及接收设备）；经贸信息咨询，企业管理咨询；以自有资金进行实业投资，经营和代理各类商品及技术的进出口（法律、行政法规禁止的项目除外；法律、行政法规限制的项目须取得许可证后方可经营）。
成立日期	二〇〇二年二月十一日
营业期限	至 长期

17／207

须　知

1. 《企业法人营业执照》是企业法人资格和合法经营的凭证。
2. 《企业法人营业执照》分为正本和副本，正本和副本具有同等法律效力。
3. 《企业法人营业执照》正本应当置于住所的醒目位置。
4. 《企业法人营业执照》不得伪造、涂改、出租、出借、转让。
5. 登记事项发生变化，应当向公司登记机关申请变更登记，换领《企业法人营业执照》。
6. 每年三月一日至六月三十日，应当参加年度检验。
7. 《企业法人营业执照》被吊销后，不得开展与清算无关的经营活动。
8. 办理注销登记，应当交回《企业法人营业执照》正本和副本。
9. 《企业法人营业执照》遗失或者毁坏的，应当在公司登记机关指定的报刊上声明作废，申请补领。

年度检验情况

广东省工商 2012年度 年检 （16）			

广东省工商行政管理局

二〇一四年一月十日

Annex-1-2-2-GDZR Certificate

ENTERPRISE CORPORATION BUSINESS LICENCE

(DUPLICATE) **(Duplicate No. 1-1)**

Registration No. 440000000053809

Name: Guangdong Zhenrong Energy Co., Ltd.

Address: 35F, Hejing International Finance Plaza, No. 8, Huaxia Road, Zhujiang Xincheng, Tianhe District, Guangzhou City

Legal Representative: Xiong Shaohui

Registered Capital: RMB 388 million

Paid-in Capital: RMB 388 million

Type of Enterprise: Limited liability company

Scope of Business: wholesale: coal, dangerous chemicals [operated subject to the paper numbered Y. S. A. J. (Y.) Zi [2011] No. 000764], pre-packaged foods, bulk foods, dairy products (including infant formula) (Main business: edible oil, meat delicatessen products, flour, cooking condiments) (items above shall be operated with the valid permits of the company); sales: petroleum product (excluding dangerous chemicals), automobiles (not including those under auto brand sales management), tar, mineral products (not including the export of tungsten, tin, antimony), gold and silver products, non-ferrous metal, metal products, cement, natural rubber, textile products, daily commodities, crafts and arts, agricultural and sideline products, fertilizer, animal products (not including breeding stock), electronic and mechanical appliances, electronic product and communication equipment (not including TV transmitting equipment and receiving devices); economic and trade information consulting, enterprise management consulting; to carry out industrial investment with self-owned capital, to run import and export trading and business of commodities and technology (except those are forbidden by laws and regulations; the items restricted by laws and regulations shall be operated with valid permit)

Date of Establishment: February 11, 2002

Term of Duration: To long term

1401786754

Notes

1. The "Business License of Enterprise Corporation" is the certificate for an enterprise to prove its qualification and legality.
2. The "Business License of Enterprise Corporation" has an original copy and duplicates, which have the same validity. The original license should be put in an obvious place. The enterprise corporation can apply for some duplicates according to its actual need.
3. No fake, amendment, rental, lending or transfer of the business license is permitted. No person or organization can detain, confiscate or revoke the license except the registration office.
4. The enterprise corporation is only permitted to carry out their business in the range stipulated in the license.
5. The enterprise corporation should apply to revise the content in the license in case of any changes occurred.
6. An annual inspection will be carried out by the registration office from January 1 to April 30.
7. When the "Business License of Enterprise Corporation" is cancelled, the enterprise mustn't engage in the business activities that irrespective of the liquidation.
8. The original copy as well as the duplicates should be handed in when the enterprise is cancelled.
9. In case the "Business License of Enterprise Corporation" is lost or destroyed, the enterprise should announce cancellation on the appointed newspapers and periodicals of the enterprise registration organ and applies for reissue.

Annual Inspection of Enterprise Corporation

[With the special seal (16) for annual inspection of Year 2012 of Guangdong Administration for Industry and Commerce]			

(With the seal of Guangdong Administration for Industry and Commerce)

January 14, 2014

"1984707"

"20248103036180004330417"

公　证　书

(2014)粤广广州第091607号

申请人：广东振戎能源有限公司，住所位于广州市天河区珠江新城华夏路8号合景国际金融广场第35层。

法定代表人：熊韶辉，男，一九六六年六月一日出生，公民身份号码为440111196606013 55，现任该公司董事长。

委托代理人：张凡，男，一九六〇年六月十四日出生，公民身份号码为330902196006140334，现任该公司职员。

公证事项：营业执照

兹证明广东省工商行政管理局于二〇一四年一月十四日颁发给广东振戎能源有限公司的《企业法人营业执照（副本）》（副本号：1-1）的原件与前面的复印件相符，原件属实。前面的复印件所附的英文译本内容与中文原本内容相符。

中华人民共和国广东省广州市广州公证处

公 证 员　孙力

广东省广州市广州公证处

二〇一四年六月三日

I I 30368841

NOTARIAL CERTIFICATE

2014YGGZ,No.091607

Applicant: Guangdong Zhenrong Energy Co., Ltd., Domicile: 35/F, Hejing International Finance Plaza, No.8 Huaxia Road, Zhujiang XinCheng, Tianhe District, Guangzhou City.

Legal Representative: Xiong Shaohui, male, born on June 1, 1966, I.D. Card No. 440111119660601355, now acts Chairman of the board of the company.

Authorized Representative: Zhang Fan, male, born on June 14, 1960, I.D. Card No. 330902196006140334, now acts an employee of the company.

Issue under notarization: Business Licence

This is to certify that the foregoing copy of Enterprise Corporation Business Licence (Duplicate) (Duplicate No.1-1) issued to Guangdong Zhenrong Energy Co., Ltd. by Guangdong Administration for Industry and Commerce on January 14, 2014 conforms to the original, and that the original document is authentic, and that the attached English translation of the copy conforms to the original document in Chinese.

Guangzhou Notary Public Office

Guangzhou City,Guangdong Province

The People's Republic of China

Notary Public:Sun Li

June 3, 2014

认字第150127794-001号

兹证明前面文书上公证处的印章和公证员**孙力**的签名（印章）属实。

中华人民共和国外交部
领事司　　　一等秘书
二〇一五年四月二十三日

中华人民共和国外交部领事司

4375581

EMBASSY OF THE REPUBLIC OF THE UNION OF MYANMAR
BEIJING

Legalization No. 318

This is to certify the genuine seal of the Ministry of Foreign Affairs of the People's Republic of China and signature of Mr. Yang Zhenxing, 1st Secretary of Consular Dept.

22-5-2015

Dated: 22 MAY 2015　　Consular Officer

The Embassy assumes no responsibility on the content of the document

EMBASSY OF THE REPUBLIC OF THE UNION OF MYANMAR
012
BEIJING

董会决议

150127793-001 1/1 ②
缅甸 E D C
2015/06/08

广东振戎能源公司

公　　证　　书

缅甸

中华人民共和国北京市方正公证处

广东振戎能源有限公司
董事会决议

RESOLUTION
OF THE BOARD OF DIRECTORS OF
GUANGDONG ZHENRONG ENERGY CO., LTD
(THE "COMPANY")

根据《公司法》及本公司章程的有关规定，广东振戎能源有限公司于 2012 年 10 月 11 日在广州召开董事会会议。本公司全体董事会成员出席了本次会议，一致通过下述决议：

Pursuant to the Articles of Association of the Company (the "AOA") and applicable laws and regulations of the People's Republic of China, the following written resolutions have been unanimously adopted by the undersigned, constituting all of the directors (the "Board") of the Company as of the 11th, Oct. 2012, in Guangzhou:

We, the undersigned, being all directors of GUANGDONG ZHENRONG ENERGY CO., LTD (hereinafter referred as the Company)

鉴于：

NOTED THAT:

1.MYANMAR ECONOMIC HOLDINGS LTD. (下称"MEHL"), HTOO GROUP OF COMPANIES (下称"HTOO") 与本公司就缅甸德林达义地区土瓦年加工 500 万吨炼油厂的开发、运营及转让，以及在缅甸全国建设及运营连锁加油站和液化石油气（LPG）连锁加气站的相关事宜（下称"本项目"），在 2010 年 8 月 24 日签订了谅解备忘录（下称"MOU"），并在 2011 年 4 月 4 日就该 MOU 的延期事宜签订了补充协议。

1.MYANMAR ECONOMIC HOLDINGS LTD. (MEHL), HTOO GROUP OF COMPANIES (HTOO) and the Company had entered into a Memorandum of Understanding (MOU) regarding Development, Operation and Transfer of Five Million Metric Ton per Annum (MTA) Refinery Plant in Dawei, Tanintharyi Region and Establishment and Operation of Chained Petrol Stations and

Liquefied Petroleum Gas (LPG) Stations around Myanmar (the "Project") on the 24th day of August, 2010 and also had signed the Extension of the said MOU on the 4th day of April 2011;

2.MEHL、HTOO及本公司还在2012年1月26日于内比都签订了与本项目相关的协议备忘录（下称"MOA"）。

2.MEHL, HTOO and the Company had also entered into a Memorandum of Agreement (MOA) regarding the Project on the 26th day of January 2012 at Nay Pyi Taw.

基于上述情况，与会董事一致审议通过：

UNANIMOUSLY RESOLVED THAT:

一、按照MOU及MOA所约定的条款，本公司将遵守缅甸联邦共和国的《外商投资法》及其他可适用的法律法规的规定，在缅甸对本项目进行投资，开展与本项目相关的一切活动并签署与本项目相关的一切文件。

1.it is approved that, in accordance with terms and conditions of the MOU and MOA, the Company will invest in the Project in Myanmar in accordance with Foreign Investment Law and other relevant applicable laws and regulations of the Republic of the Union of Myanmar, and the Company may take all actions and execute all documents for the purpose of the Project;

二、按照MOU及MOA所约定的条款，本公司将遵守缅甸联邦共和国的《外商投资法》及其他可适用的法律法规的规定，与MEHL、HTOO共同设立合资公司以经营管理本项目。

2. it is approved that, in accordance with terms and conditions of the MOU and MOA, the Company will establish a joint venture project company with MEHL and HTOO in accordance with Foreign Investment Law and other relevant applicable laws and regulations of the Republic of the Union of Myanmar, so as to develop and operate the Project.

董事签名或盖章

IN WITNESS WHEREOF, these board resolutions are adopted by the directors of the Board as of the date first written above.

熊韶辉 罗杰 李宏伟 李同楠 樊庆华

公 证 书

（2012）京方正外经证字第 01913 号

申请人：广东振戎能源有限公司，住所：广州市天河区珠江新城华夏路 8 号合景国际金融广场第 35 层。

法定代表人：熊韶辉，男，一九六六年六月一日出生，公民身份号码：440111196606010355。

委托代理人：翟望彤，女，一九八八年七月二十二日出生，公民身份号码：21010619880722032X。

公证事项：签名

兹证明前面的《广东振戎能源有限公司董事会决议》上董事熊韶辉（男，公民身份号码：440111196606010355）、罗杰（男，公民身份号码：110105196807237739）、李宏伟（男，公民身份号码：440111196606150331）、李同楠（男，公民身份号码：110108196503070414）、樊庆华（男，公民身份号码：410703196005280015）之签名均属实。

中华人民共和国北京市方正公证处

公证员

二〇一二年十一月九日

II 40927341

NOTARIAL CERTIFICATE

(Translation)

(2012) J.F.Z.W.J.Z.Zi, No.01913

Applicant: Guangdong Zhenrong Energy Co., LTD, domecile: F/35, Hejing International Finance Place, No. 8 Huaxia Road, Zhujiang Xincheng, Tianhe District, Guangzhou City.

Legal Representative: Xiong Shaohui, male, was born on Jun. 1, 1966, ID Card No.: 440111196606010355.

Authorized Agent: Zhai Wangtong, female, was born on Jul. 22, 1988, ID Card No.: 21010619880722032X.

Issue under notarization: Signature

This is to certify that directors Xiong Shaohui (male, ID Card No.: 440111196606010355), Luo Jie (male, ID Card No.: 110105196807237739), Li Hongwei (male, ID Card No.: 440111196606150331), Li Tongnan (male, ID Card No.: 110108196503070414) and Fan Qinghua (male, ID Card No.: 410703196005280015)'s signatures affixed on Resolultion of The Board of Directors of Guangdong Zhenrong Energy Co., LTD are authentic.

Notary: Liu Wenyan

Beijing Fangzheng Notary Public Office

The People's Republic of China

Nov. 9, 2012

II 40929512

认字第150127793-001号

兹证明前面文书上公证处的印章和公证员**刘闻彦**的签名（印章）属实。

中华人民共和国外交部

领事司　　一等秘书

二〇一五年四月二十三日

4375582

EMBASSY OF THE REPUBLIC OF THE UNION OF MYANMAR
BEIJING

Legalization No. 317

This is to certify the genuine seal of the Ministry of Foreign Affairs of the People's Republic of China and signature of Mr. Yang Zhenxing, 1st Secretary of Consular Dept.

Dated: 22 MAY 2015

Consular Officer

The Embassy assumes no responsibility on the content of the document

150127795-001 1/1 ②
缅甸 E D C
2015/06/08

公 证 书

中华人民共和国广东省广州市白云公证处
Baiyun Notary Public Office, Guangzhou City, Guangdong Province, P. R. China

广东振戎能源有限公司
GUANGDONG ZHENRONG ENERGY CO., LTD
地址：广州市天河区珠江新城华夏路 8 号合景国际金融广场 35 楼
Add: 35F Hejing International Finance Place No.8 HuaXia Road, Guangzhou, China
电话（Tel）：020-38336000　　传真(Fax)：020-38336181

授权委托书

委托人：广东振戎能源有限公司，注册号：440000000053809

法定代表人：熊韶辉，男，一九六六年六月一日出生，身份证号码：440111196606010355，住址：北京市。

住所：中国广州市珠江新城华夏路 8 号合景国际金融广场 35 楼

被委托人：李辉，男，一九七八年一月一日出生，中华人民共和国护照，护照号： E02904681，地址：成都市青羊区东通顺街 2 号。

委托事项：

1、向缅甸投资委员会（MIC）申请并获取对委托人在【LONGWIN GLOBAL PETROCHEMICAL COMPANY LIMITED】中投资的许可；

2、在已获取许可的情况下，向 MIC 提交上述公司的章程大纲和组织细则，并根据缅甸联邦共和国的法律法规注册上述公司。

3、为了获得 MIC 要求的许可、获得对上述公司章程大纲和组织细则的批准、在缅甸联邦共和国合资格的公证人面前签署公司章程大纲和组织细则、在公司注册处注册上述公司、签收上述公司的公司注册证书、代表委托人接收所有执照、注册证书、证书和文件，以及完成其他在缅甸联邦共和国成立上述公司所必须的事项的目的，代表委托人提交任何文件、回答任何问题、从事任何行为、签署及递交任何文件和指令。

本委托书是为了上述目的作出的特别授权委托书。在委托人撤回委托之前，上述委托一直有效。被委托人及其指派的人员根据本委托书依法进行的行为，委托人均承认其效力。

被委托人有转委托权。转委托人具有上述被委托人的所有权限。

委托人：广东振戎能源有限公司

法定代表人：

日期：2015 年 3 月 13 日

1 / 1

GUANGDONG ZHENRONG ENERGY CO.,LTD.
Address: F/35, Hejing International Finance Plaza, No.8, Huaxia Road, Zhujing New Town, Tianhe District, Guangzhou City
Tel: 020-38336000 Fax: 020-38336181

POWER OF ATTORNEY

(Translation)

The Client:

GUANGDONG ZHENGRONG ENERGY CO., LTD., Registered No.: 440000000053809.

Legal Representative: XIONG SHAOHUI, male, born on June 1, 1966, ID.No.: 440111196606010355, address: Beijing City.

Registered Domicile: F/35, Hejing International Finance Plaza, No.8, Huaxia Road, Zhujing New Town, Tianhe District, Guangzhou City, China.

The Attorney:

LI HUI, male, born on January 1, 1978, Chinese Passport No.: E02904681, Address: No.2, Dongtongshun Street, Qingyang District, Chengdu City.

We, GUANGDONG ZHENGRONG ENERGY CO.,LTD., hereby give power to the said attorney to act on behalf of us, to execute the following:

1. To submit the application to the MIC (Myanmar Investment Commission) and to get the investment approval from LONGWIN GLOBAL PETROCHEMICAL COMPANY LIMITED, and,
2. To submit the Article of Association of the said company to the MIC and to complete business registration in the Federal Republic of Burma upon obtaining the investment approval, and,
3. To confirm the Article of Association by signing in present of the Notary Public in order to get approval from the MIC, and to complete the business registration in the Business Register Office and to receive the Business License, the necessity license and documents from the said office, to complete the necessity procedure

during the business registration, including but not limited, to submit document, to reply for any question and to sign the document whatsoever requisite and necessary.

The Power of Attorney shall have the only purpose for the attorney to complete the said entrusted commitment, which shall be kept effected till revocation. Giving and granting our said attorney full power and authority to sign on the documents whatsoever requisite and necessary within the limits of this POWER OF ATTORNEY, and that our said attorney shall have the power of sub-authorization. The sub-attorney shall be granted the aforesaid full power.

GUANGDONG ZHENGRONG ENERGY CO.,LTD.(Official seal)

Legal Representative: XIONG SHAOHUI (Signature)

Date: March 13, 2015

公 证 书

(2015)粤广白云第3245号

申请人：广东振戎能源有限公司，营业执照注册号：440000000053809，住所：中国广州市珠江新城华夏路8号合景国际金融广场35楼，法定代表人：熊韶辉，男，于一九六六年六月一日出生，公民身份号码：440111196606010355，住址：北京市丰台区芳城园三区17楼2304号。

公证事项：签名、印鉴

兹证明广东振戎能源有限公司的法定代表人熊韶辉于二○一五年三月十三日来到我处，在本公证员的面前，在前面的《授权委托书》上签名、盖章。

中华人民共和国广东省广州市白云公证处

公证员：林志辉

二○一五年三月十六日

广东省广州市白云公证处

II62649813

NOTARIAL CERTIFICATE

(2015)YGBY,No.3245

Applicant: GUANGDONG ZHENRONG ENERGY CO.,LTD., Registered No.: 440000000053809,Registered Domicile: F/35, Hejing International Finance Plaza, No.8, Huaxia Road, Zhujing New Town, Tianhe District, Guangzhou City, China.

Legal Representative: XIONG SHAOHUI, male, born on June 1, 1966, ID.No.: 440111196606010355, address: Room 2304, F/17, Fangcheng Residential No.3 Area, Fengtai District, Beijing City.

Issue under notarization: signature

This is to certify that GUANGDONG ZHENRONG ENERGY CO.,LTD. came to our notary public office, signed his name and affixed the company seal to the foregoing POWER OF ATTORNEY on March 13, 2015 in presence of me, the notary public.

Notary: LIN ZHIHUI
Baiyun Notary Public Office
Guangzhou City, Guangdong Province
The People's Republic of China
March 16, 2015

I I 62649814

认字第150127795-001号

兹证明前面文书上公证处的印章和公证员**林志辉**的签名（印章）属实。

中华人民共和国外交部
领事司　　一等秘书
二〇一五年四月二十三日

4375580

EMBASSY OF THE REPUBLIC OF THE UNION OF MYANMAR
BEIJING

Legalization No. 319

This is to certify the genuine seal of the Ministry of Foreign Affairs of the People's Republic of China and signature of Mr. Yang Zhenxing, 1st Secretary of Consular Dept.

Dated: 22 MAY 2015

Consular Officer

The Embassy assumes no responsibility on the content of the document

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中华人民共和国外交部请各国军政机关对持照人予以通行的便利和必要的协助。

The Ministry of Foreign Affairs of the People's Republic of China requests all civil and military authorities of foreign countries to allow the bearer of this passport to pass freely and afford assistance in case of need.

护照 PASSPORT | 类型 / Type P | 国家码 / Country Code CHN | 护照号 / Passport No. G33006997



姓 / Surname
熊/XIONG

名 / Given names
韶辉/SHAOHUI

性别 / Sex
男/M

出生地点 / Place of birth
云南/YUNNAN

出生日期 / Date of birth
01 JUN 1966

签发地点 / Place of issue
北京/BEIJING

签发日期 / Date of issue
12 MAR 2009

有效期至 / Date of expiry
11 MAR 2019

签发机关 / Authority
公安部出入境管理局
Exit & Entry Administration
Ministry of Public Security

35343225

POCHNXIONG<<SHAOHUI<<<<<<<<<<<<<<<<<<<<<<<<<<
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缅甸 E D C
2015/06/12

公证书

中华人民共和国广东省广州市白云公证处
Baiyun Notary Public Office, Guangzhou City, Guangdong Province, P. R. China

审计报告

大华审字[2012]4283 号

广东振戎能源有限公司：

我们审计了后附的广东振戎能源有限公司（以下简称贵公司 ）财务报表，包括 2011 年 12 月 31 日的资产负债表、合并资产负债表，2011 年度的利润表、合并利润表，现金流量表、合并现金流量表，所有者权益变动表、合并所有者权益变动表以及财务报表附注。

一、管理层对财务报表的责任

按照财政部颁布的企业会计准则的规定编制财务报表是贵公司 管理层的责任。这种责任包括：（1）设计、实施和维护与财务报表编制相关的内部控制，以使财务报表不存在由于舞弊或错误而导致的重大错报；（2）选择和运用恰当的会计政策；（3）作出合理的会计估计。

二、注册会计师的责任

我们的责任是在实施审计工作的基础上对财务报表发表审计意见。我们按照中国注册会计师审计准则的规定执行了审计工作。中国注册会计师审计准则要求我们遵守职业道德规范，计划和实施审计工作以对财务报表是否不存在重大错报获取合理保证。

审计工作涉及实施审计程序，以获取有关财务报表金额和披露的审计证据。选择的审计程序取决于注册会计师的判断，包括对由于舞弊或错误导致的财务报表重大错报风险的评估。在进行风险评估时，我们考虑与财务报表编制相关的内部控制，以设计恰当的审计程序，但目的并非对内部控制的有效性发表意见。审计工作还包括评价管理层选用会计政策的恰当性和作出会计估计的合理性，以及评价财务报表的总体列报。

我们相信，我们获取的审计证据是充分、适当的，为发表审计意见提供了基础。

三、审计意见

我们认为，贵公司 财务报表已经按照财政部颁布的企业会计准则、的规定编制，在所有重大方面公允反映了贵公司 2011 年 12 月 31 日的财务状况以及 2011 年度的经营成果和现金流量。

大华会计师事务所有限公司

中国注册会计师

中国注册会计师 熊亚蒳

中国注册会计师

中国注册会计师 陶薇

报告日期：2012 年 4 月 25 日

资产负债表

单位：广东振戎能源有限公司　　2011年12月31日　　金额单位：人民币元

	注释	母公司		合并	
		期末余额	年初余额	期末余额	年初余额
资产：					
货币资金	1	3,137,317,092.66	1,638,606,277.59	3,575,616,319.73	2,562,377,000.44
结算备付金					
拆出资金					
交易性金融资产					
应收票据	2	3,291,138,513.43	832,885,380.00	3,439,388,513.43	845,955,380.00
应收账款	3	2,785,534,946.17	1,664,301,726.29	3,084,690,712.77	1,884,186,632.36
预付款项	4	752,322,367.67	813,633,797.42	1,070,043,844.43	942,743,154.61
应收保费					
应收分保账款					
应收分保合同准备金					
应收利息	5			2,888,267.09	
应收股利					
其他应收款	6	473,886,258.77	266,600,508.46	344,497,259.08	372,076,725.48
买入返售金融资产					
存货	7	130,360,022.28	224,040,107.91	150,026,306.45	242,843,253.00
其中：原材料					
库存商品(产成品)		130,360,022.28	224,040,107.91	150,026,306.45	242,685,479.50
一年内到期的非流动资产					
其他流动资产					
流动资产合计		10,570,559,200.98	5,440,067,797.67	11,667,151,222.98	6,850,182,145.89
动资产：					
发放贷款及垫款					
可供出售金融资产					
持有至到期投资					
长期应收款					
长期股权投资	8	82,769,860.79	67,267,687.75	50,269,860.79	37,462,687.75
投资性房地产					
固定资产原价	9	15,485,184.20	11,006,404.76	18,857,951.75	20,491,873.11
减：累计折旧	9	4,916,041.68	3,894,100.03	5,754,573.36	7,144,122.35
固定资产净值		10,569,142.52	7,112,304.73	13,103,378.39	13,347,750.76
减：固定资产减值准备					
固定资产净额		10,569,142.52	7,112,304.73	13,103,378.39	13,347,750.76
在建工程					
工程物资					
固定资产清理					
生产性生物资产					
油气资产					
无形资产	10				487,334.70
开发支出					
商誉	11			675,739.33	675,739.33
长期待摊费用	12	1,099,160.47	2,348,931.34	1,723,513.71	3,123,186.98
递延所得税资产	13	14,311,440.24	14,705,237.38	15,677,335.64	14,731,985.85
其他非流动资产					
其中：特准储备物资					
非流动资产合计		108,749,604.02	91,434,161.20	81,449,827.86	69,828,685.37
资 产 总 计		10,679,308,805.00	5,531,501,958.87	11,748,601,050.84	6,920,010,831.26

责人：　　总会计师：　　会计机构负责人：黄志斌

资产负债表（续）

单位：广东振戎能源有限公司　　　　2011年12月31日　　　　金额单位：人民币元

项　　目	注释	母公司		合并	
		年末金额	年初金额	年末金额	年初金额
负债：					
短期借款	15	3,135,265,571.81	1,749,823,750.00	3,369,175,550.88	1,899,823,750.00
向中央银行借款					
吸收存款及同业存放					
拆入资金					
交易性金融负债					
应付票据	16	1,695,571,440.00	601,061,000.00	1,744,071,440.00	638,545,250.00
应付账款	17	3,585,897,520.99	1,492,936,340.97	4,077,604,506.64	2,074,336,509.84
预收款项	18	1,709,503,776.82	1,218,123,402.41	1,915,256,689.58	1,783,003,402.29
卖出回购金融资产款					
应付手续费及佣金					
应付职工薪酬	19	18,187,920.42	1,050,838.02	23,877,245.30	1,129,909.43
其中：应付工资	19	16,718,108.78		22,114,249.69	
应付福利费	19	49,470.00		124,225.00	
#其中：职工奖励及福利基金					
应交税费	20	39,850,306.87	24,137,130.34	49,689,668.72	33,289,091.77
其中：应交税金	20	36,369,393.80	21,559,562.84	43,755,846.31	28,785,426.24
应付利息	21	4,665,593.75	1,961,899.87	4,826,615.75	1,961,899.87
其他应付款	22	19,471,378.51	108,961,482.38	41,341,136.03	125,140,316.25
应付分保账款					
保险合同准备金					
代理买卖证券款					
代理承销证券款					
一年内到期的非流动负债					
其他流动负债					
流动负债合计		10,208,413,509.17	5,198,055,843.99	11,225,842,852.90	6,557,230,129.45
动负债：					
长期借款					
应付债券					
长期应付款					
专项应付款					
预计负债					
递延所得税负债					
其他非流动负债					
其中：特准储备基金					
非流动负债合计		-	-	-	-
负 债 合 计		10,208,413,509.17	5,198,055,843.99	11,225,842,852.90	6,557,230,129.45
者权益（或股东权益）：					
实收资本（股本）	23	89,200,000.00	89,200,000.00	89,200,000.00	89,200,000.00
国家资本					
集体资本					
法人资本		89,200,000.00	89,200,000.00	89,200,000.00	89,200,000.00
其中：国有法人资本		44,300,000.00	44,300,000.00	44,300,000.00	44,300,000.00
集体法人资本		44,900,000.00	44,900,000.00	44,900,000.00	44,900,000.00
个人资本					
外商资本					
减：已归还投资					
实收资本（或股本）净额		89,200,000.00	89,200,000.00	89,200,000.00	89,200,000.00
资本公积	24	30,586,680.05	30,586,680.05	30,586,680.05	30,586,680.05
减：库存股					
专项储备					
盈余公积	25	36,794,462.65	23,049,544.55	36,794,462.65	23,049,544.55
其中：法定公积金		36,794,462.65	23,049,544.55	36,794,462.65	23,049,544.55
任意公积金					
#储备基金					
#企业发展基金					
#利润归还投资					
般风险准备					
分配利润	26	314,314,153.13	190,609,890.28	325,915,008.37	190,383,408.48
币报表折算差额					
归属于母公司所有者权益合计		470,895,295.83	333,446,114.88	482,496,151.07	333,219,633.08
数股东权益				40,262,046.87	29,561,068.73
所有者权益合计		470,895,295.83	333,446,114.88	522,758,197.94	362,780,701.81
负债和所有者权益总计		10,679,308,805.00	5,531,501,958.87	11,748,601,050.84	6,920,010,831.26

责人：　　　　总会计师：　　　　会计机构负责人：黄志斌

利润表

位：广东振戎能源有限公司　　　　2011年度　　　　金额单位：人民币元

项目	注释	母公司		合并	
		本期金额	上期金额	本期金额	上期金额
业总收入		16,674,469,971.79	8,082,114,101.12	18,344,807,379.89	10,503,730,173.89
中：营业收入	27	16,674,469,971.79	8,082,114,101.12	18,344,807,379.89	10,503,730,173.89
其中：主营业务收入	27	16,668,411,827.19	8,078,544,101.12	18,338,749,235.29	10,499,602,945.64
其他业务收入	27	6,058,144.60	3,570,000.00	6,058,144.60	4,127,228.25
△利息收入					
△已赚保费					
△手续费及佣金收入					
业总成本		16,514,601,323.89	8,050,575,087.88	18,163,564,418.59	10,460,269,429.83
中：营业成本	27	16,365,043,586.41	7,903,612,937.94	17,985,909,009.38	10,299,322,410.97
其中：主营业务成本	27	16,363,363,586.41	7,901,092,937.94	17,984,229,009.38	10,296,802,410.97
其他业务成本	27	1,680,000.00	2,520,000.00	1,680,000.00	2,520,000.00
△利息支出					
△手续费及佣金支出					
△退保金					
△赔付支出净额					
△提取保险合同准备金净额					
△保单红利支出					
△分保费用					
营业税金及附加		9,376,816.47	2,427,727.51	11,102,558.45	2,913,962.05
销售费用		30,975,810.78	29,644,391.80	44,739,851.85	35,423,860.43
管理费用		58,981,666.96	46,312,159.52	75,420,664.34	58,713,863.54
其中:业务招待费		3,836,543.26	3,248,482.79	4,802,276.88	3,636,864.09
研究与开发费					
财务费用		67,465,902.57	18,070,860.55	67,815,703.39	12,073,490.24
其中：利息支出		117,558,802.16	59,034,632.91	131,491,145.87	63,374,228.26
利息收入		39,395,897.60	7,266,007.59	43,656,399.67	8,158,738.27
汇兑净损失（净收益以“-”号填列）	33	-65,090,277.97	-56,145,476.49	-80,644,924.90	-66,935,274.49
资产减值损失	28	-17,242,459.30	50,507,010.56	-21,423,368.82	51,821,842.60
其他					
：公允价值变动收益（损失以“-”号填列）					
投资收益（损失以“-”号填列）	29	3,189,929.11	-361,327.50	3,189,929.11	-361,327.50
其中：对联营企业和合营企业的投资收益			-361,327.50		-361,327.50
△汇兑收益（损失以“-”号填列）					
业利润（亏损以“—”号填列）		163,058,577.01	31,177,685.74	184,432,890.41	43,099,416.56
：营业外收入	30	28,089,778.82	47,470,903.80	31,045,690.73	47,470,903.81
其中：非流动资产处置利得					
非货币性资产交换利得					
政府补助	30	22,457,664.75	16,470,903.80	22,457,664.75	16,470,903.80
债务重组利得					
营业外支出	31	2,046,449.46	359,347.38	2,084,126.43	362,847.38
其中：非流动资产处置损失	31	4,490.25		4,490.25	
非货币性资产交换损失					
债务重组损失					
润总额（亏损总额以“—”号填列）		189,101,906.37	78,289,242.16	213,394,454.71	90,207,472.99
所得税费用	32	51,652,725.42	20,769,500.32	57,299,833.41	23,813,662.23
利润（净亏损以“—”号填列）		137,449,180.95	57,519,741.84	156,094,621.30	66,393,810.76
属于母公司所有者的净利润		137,449,180.95	57,519,741.84	149,276,517.99	61,346,815.97
数股东损益				6,818,103.31	5,046,994.79
股收益：					
本每股收益					
释每股收益					
他综合收益					
合收益总额		137,449,180.95	57,519,741.84	156,094,621.30	66,393,810.76
归属于母公司所有者的综合收益总额		137,449,180.95	57,822,866.48	149,276,517.99	61,346,815.97
归属于少数股东的综合收益总额				6,818,103.31	5,046,994.79

人：　　　　总会计师：　　　　会计机构负责人：黄志雄

现金流量表

单位：广东振戎能源有限公司　　　　2011年度　　　　金额单位：人民币元

项目	母公司		合并	
	本期金额	上期金额	本期金额	上期金额
经营活动产生的现金流量：				
销售商品、提供劳务收到的现金	18,094,158,182.94	7,638,879,015.06	19,784,231,748.02	10,183,430,757.86
客户存款和同业存放款项净增加额				
向中央银行借款净增加额				
向其他金融机构拆入资金净增加额				
收到原保险合同保费取得的现金				
收到再保险业务现金净额				
保户储金及投资款净增加额				
处置交易性金融资产净增加额				
收取利息、手续费及佣金的现金				
拆入资金净增加额				
回购业务资金净增加额				
收到的税费返还				
收到其他与经营活动有关的现金	35,899,342.16	9,106,251.22	284,772,350.96	22,797,698.33
经营活动现金流入小计	18,130,057,525.10	7,647,985,266.28	20,069,004,098.98	10,206,228,456.19
购买商品、接受劳务支付的现金	14,880,951,901.48	7,348,909,634.09	17,512,450,963.49	9,002,504,503.63
客户贷款及垫款净增加额				
存放中央银行和同业款项净增加额				
支付原保险合同赔付款项的现金				
支付利息、手续费及佣金的现金				
支付保单红利的现金				
支付给职工以及为职工支付的现金	12,713,202.22	25,562,008.23	15,320,945.84	31,602,523.49
支付的各项税费	111,144,425.92	22,693,682.56	135,531,927.77	24,753,367.99
支付其他与经营活动有关的现金	321,155,647.87	207,724,706.84	165,112,045.82	333,772,477.74
经营活动现金流出小计	15,325,965,177.49	7,604,890,031.72	17,828,415,882.92	9,392,632,872.85
经营活动产生的现金流量净额	2,804,092,347.61	43,095,234.56	2,240,588,216.06	813,595,583.34
投资活动产生的现金流量：				
收回投资收到的现金				
取得投资收益收到的现金				
处置固定资产、无形资产和其他长期资产所收回的现金净额	16,000.00		16,000.00	
处置子公司及其他营业单位收回的现金净额				
收到其他与投资活动有关的现金				
投资活动现金流入小计	16,000.00		16,000.00	
购建固定资产、无形资产和其他长期资产所支付的现金	4,797,754.44	5,959,078.71	6,494,290.86	6,185,339.19
投资支付的现金	21,200,000.00		21,200,000.00	
质押贷款净增加额				
取得子公司及其他营业单位支付的现金净额				
支付其他与投资活动有关的现金			409,485.17	
投资活动现金流出小计	25,997,754.44	5,959,078.71	28,103,776.03	6,185,339.19
投资活动产生的现金流量净额	-25,981,754.44	-5,959,078.71	-28,087,776.03	-6,185,339.19
筹资活动产生的现金流量：				
吸收投资收到的现金		51,980,321.60	10,000,000.00	51,980,321.60
其中：子公司吸收少数股东投资收到的现金				
取得借款所收到的现金	3,268,655,458.57	2,937,613,535.43	3,418,655,458.57	3,212,613,535.43
发行债券收到的现金				
收到其他与筹资活动有关的现金				
筹资活动现金流入小计	3,268,655,458.57	2,989,593,857.03	3,428,655,458.57	3,264,593,857.03
偿还债务所支付的现金	4,433,200,128.39	2,176,519,808.83	4,499,290,149.32	2,351,519,808.83
分配股利、利润或偿付利息所支付的现金	114,855,108.28	58,305,455.81	128,626,429.99	62,645,051.16
其中：子公司支付给少数股东的股利、利润				
支付其他与筹资活动有关的现金				
筹资活动现金流出小计	4,548,055,236.67	2,234,825,264.64	4,627,916,579.31	2,414,164,859.99
筹资活动产生的现金流量净额	-1,279,399,778.10	754,768,592.39	-1,199,261,120.74	850,428,997.04
汇率变动对现金及现金等价物的影响				
现金及现金等价物净增加额	1,498,710,815.07	791,904,748.24	1,013,239,319.29	1,657,839,241.19
加：期初现金及现金等价物余额	1,638,606,277.59	846,701,529.35	2,562,377,000.44	904,537,759.25
期末现金及现金等价物余额	3,137,317,092.66	1,638,606,277.59	3,575,616,319.73	2,562,377,000.44

负责人：　　　　总会计师：　　　　总会计师：黄志坚

第4页

BDO 大華會計師事務所
Da Hua Certified Public Accountants

INDEPENDENT AUDITORS' REPORT

DAHUA SHEN ZI (2012) NO.4283

TO Guangdong Zhenrong Energy Co., Ltd.

We have audited the accompanying financial statements of Guangdong Zhenrong Energy Co., Ltd. ("the Company"), which comprise the consolidated and the Company's statement of financial position as at December 31, 2011, and the consolidated and the Company's statement of comprehensive income, the consolidated and the Company's statement of cash flows, and the consolidated and the Company's statement of changes in equity for the year then ended, and other explanatory notes.

Management's responsibility for the financial statements

Management of the Company is responsible for the preparation of these financial statements in accordance with the Accounting Standards for Business Enterprises. This responsibility includes: (1) designing, implementing and maintaining internal control relevant to the preparation of financial statements that are free from material misstatement, whether due to fraud or error; (2) selecting and applying appropriate accounting policies; (3) making accounting estimates that are reasonable in the circumstances.

Auditor's responsibility

Our responsibility is to express an audit opinion on these financial statements based on our audit. We conducted our audit in accordance with Chinese Certified Public Accountants Auditing Standards. These standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amount and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the accompanying financial statements present fairly, in all material respects, the

financial position of the Company and of the Group as at December 31, 2011 and the results of financial performance and cash flows of the Company and of the Group for the year then ended in accordance with the Accounting Standards for Business Enterprises.

BDO China Dahua
Certified Public Accountants Co., Ltd.

Certified Public Accountant

熊亚菊

中国注册会计师 熊亚菊

Certified Public Accountant

陶薇

中国注册会计师 陶薇

April 25, 2012

Beijing, the People's Republic of China

大华会计师事务所有限公司 1101080145996

Consolidated Statement of Financial Position

by: Guangdong Zhenrong Energy Co., Ltd. As at December 31, 2011 Monetary unit:RMB yuan

Assets	Note	Parent Company		Consolidation	
		Dec. 31, 2011	Dec. 31, 2010	Dec. 31, 2011	Dec. 31, 2010
ssets:					
cash equivalents	1	3,137,317,092.66	1,638,606,277.59	3,575,616,319.73	2,562,377,000.44
financial assets					
ceivable	2	3,291,138,513.43	832,885,380.00	3,439,388,513.43	845,955,380.00
receivable	3	2,785,534,946.17	1,664,301,726.29	3,084,690,712.77	1,884,186,632.36
to suppliers	4	752,322,367.67	813,633,797.42	1,070,043,844.43	942,743,154.61
receivable	5			2,888,267.09	
receivable					
ceivables	6	473,886,258.77	266,600,508.46	344,497,259.08	372,076,725.48
ories	7	130,360,022.28	224,040,107.91	150,026,306.45	242,843,253.00
Raw material					
Commodity/Finished Goods		130,360,022.28	224,040,107.91	150,026,306.45	242,685,479.50
portion of Non-current assets					
rent assets					
Total current assets		10,570,559,200.98	5,440,067,797.67	11,667,151,222.98	6,850,182,145.89
nt assets:					
for-sale financial assets					
maturity Investment					
rm receivable					
m equity investment	8	82,769,860.79	67,267,687.75	50,269,860.79	37,462,687.75
ent properties					
ssets - original cost	9	15,485,184.20	11,006,404.76	18,857,951.75	20,491,873.11
Accumulated deprecation	9	4,916,041.68	3,894,100.03	5,754,573.36	7,144,122.35
ssets - net value before Impairment		10,569,142.52	7,112,304.73	13,103,378.39	13,347,750.76
Provision for impairment					
ssets - net value		10,569,142.52	7,112,304.73	13,103,378.39	13,347,750.76
ction in progress					
ction material					
ssets pending disposal					
ve Biological assets					
gas assets					
le assets	10				487,334.70
ment Expenditures					
	11			675,739.33	675,739.33
m prepaid expenses	12	1,099,160.47	2,348,931.34	1,723,513.71	3,123,186.98
Tax assets	13	14,311,440.24	14,705,237.38	15,677,335.64	14,731,985.85
n-current assets					
Total non-current assets		108,749,604.02	91,434,161.20	81,449,827.86	69,828,685.37
Total assets		10,679,308,805.00	5,531,501,958.87	11,748,601,050.84	6,920,010,831.26

ative: Person in charge of accounting function: Person in charge of accounting department: 黄志斌

Consolidated Statement of Financial Position(continued)

ed by: Guangdong Zhenrong Energy Co., Ltd. As at December 31, 2011 Monetary unit:RMB yuan

Liabilities & Shareholders'equity	Note	Parent Company		Consolidation	
		Dec. 31, 2011	Dec. 31, 2010	Dec. 31, 2011	Dec. 31, 2010
nt liabilities:					
t-term borrowings	15	3,135,265,571.81	1,749,823,750.00	3,369,175,550.88	1,899,823,750.00
ing financial liabilities					
s payable	16	1,695,571,440.00	601,061,000.00	1,744,071,440.00	638,545,250.00
unts payable	17	3,585,897,520.99	1,492,936,340.97	4,077,604,506.64	2,074,336,509.84
nces from customers	18	1,709,503,776.82	1,218,123,402.41	1,915,256,689.58	1,783,003,402.29
ued employee benefits	19	18,187,920.42	1,050,838.02	23,877,245.30	1,129,909.43
ding: Wages payable	19	16,718,108.78		22,114,249.69	
Welfare payable	19	49,470.00		124,225.00	
s and expenses payable	20	39,850,306.87	24,137,130.34	49,689,668.72	33,289,091.77
uding: Taxes payable	20	36,369,393.80	21,559,562.84	43,755,846.31	28,785,426.24
est payable	21	4,665,593.75	1,961,899.87	4,826,615.75	1,961,899.87
r payables	22	19,471,378.51	108,961,482.38	41,341,136.03	125,140,316.25
ent portion of long-term liabilities					
r current liabilities					
Total current liabilities		10,208,413,509.17	5,198,055,843.99	11,225,842,852.90	6,557,230,129.45
erm liabilities:					
-term borrowings					
ds payable					
-term payables					
cial purpose payables					
ision					
rred tax liabilities					
r long-term liabilities					
Including: Specially approved reserve funds					
Total long-term liabilities		-	-	-	-
Total liabilities		10,208,413,509.17	5,198,055,843.99	11,225,842,852.90	6,557,230,129.45
olders' equity:					
e capital	23	89,200,000.00	89,200,000.00	89,200,000.00	89,200,000.00
State capital					
Collective capital					
Corporate capital		89,200,000.00	89,200,000.00	89,200,000.00	89,200,000.00
Including: State-owned corporate capital		44,300,000.00	44,300,000.00	44,300,000.00	44,300,000.00
Collective corporate capital		44,900,000.00	44,900,000.00	44,900,000.00	44,900,000.00
Personal capital					
Foreign capital					
ss: Return of investment					
value of share capital		89,200,000.00	89,200,000.00	89,200,000.00	89,200,000.00
al reserves	24	30,586,680.05	30,586,680.05	30,586,680.05	30,586,680.05
treasury stock					
ial reserves					
us reserves	25	36,794,462.65	23,049,544.55	36,794,462.65	23,049,544.55
ding: Statutory surplus reserves		36,794,462.65	23,049,544.55	36,794,462.65	23,049,544.55
Arbitrary surplus reserves					
#Reserve Funds					
#Enterprise Development Funds					
#Investment returned by profit					
neral risk reserves					
tributed profits	26	314,314,153.13	190,609,890.28	325,915,008.37	190,383,408.48
lation differences					
Equity attributable to the parent		470,895,295.83	333,446,114.88	482,496,151.07	333,219,633.08
controlling interest				40,262,046.87	29,561,068.73
Total shareholders' equity		470,895,295.83	333,446,114.88	522,758,197.94	362,780,701.81
Total liabilities & shareholders' equity		10,679,308,805.00	5,531,501,958.87	11,748,601,050.84	6,920,010,831.26

esentative: Person in charge of accounting function: Person in charge of accounting department:

Consolidated Statement of Comprehensive Income

d by: Guangdong Zhenrong Energy Co., Ltd. For the Year Ended December 31, 2011 Monetary unit:RMB yuan

Items	Note	Parent Company		Consolidation	
		2011	2010	2011	2010
nue		16,674,469,971.79	8,082,114,101.12	18,344,807,379.89	10,503,730,173.89
cluding: Principal business revenue	27	16,668,411,827.19	8,078,544,101.12	18,338,749,235.29	10,499,602,945.64
Other business revenue	27	6,058,144.60	3,570,000.00	6,058,144.60	4,127,228.25
		16,514,601,323.89	8,050,575,087.88	18,163,564,418.59	10,460,269,429.83
ding: Cost of Sales	27	16,365,043,586.41	7,903,612,937.94	17,985,909,009.38	10,299,322,410.97
cluding: Principal business cost of sales	27	16,363,363,586.41	7,901,092,937.94	17,984,229,009.38	10,296,802,410.97
Other business cost of sales	27	1,680,000.00	2,520,000.00	1,680,000.00	2,520,000.00
ating tax and surcharges		9,376,816.47	2,427,727.51	11,102,558.45	2,913,962.05
g and distribution expenses		30,975,810.78	29,644,391.80	44,739,851.85	35,423,860.43
ral and administrative expenses		58,981,666.96	46,312,159.52	75,420,664.34	58,713,863.54
ncluding: Entertainment expenses		3,836,543.26	3,248,482.79	4,802,276.88	3,636,864.09
Research & development expenditures					
cial expenses		67,465,902.57	18,070,860.55	67,815,703.39	12,073,490.24
cluding: Interest Expenses		117,558,802.16	59,034,632.91	131,491,145.87	63,374,228.26
Interest Income		39,395,897.60	7,266,007.59	43,656,399.67	8,158,738.27
Change in exchange rate	33	-65,090,277.97	-56,145,476.49	-80,644,924.90	-66,935,274.49
rment loss	28	-17,242,459.30	50,507,010.56	-21,423,368.82	51,821,842.60
r cost					
ains/Losses from fair value changes					
tment income ("-" for loss)	29	3,189,929.11	-361,327.50	3,189,929.11	-361,327.50
ding: Investment income from associates and joint ventures			-361,327.50		-361,327.50
rating Profit("-" for loss)		163,058,577.01	31,177,685.74	184,432,890.41	43,099,416.56
n-operating income	30	28,089,778.82	47,470,903.80	31,045,690.73	47,470,903.81
ding: Income from the disposal of non-current assets					
Gains from exchange of non-monetary assets					
Government Subsidies	30	22,457,664.75	16,470,903.80	22,457,664.75	16,470,903.80
Income from debt re-constructuring					
n-operating expenses	31	2,046,449.46	359,347.38	2,084,126.43	362,847.38
ing: Losses from the disposal of non-current assets	31	4,490.25		4,490.25	
Losses from exchange of non-monetary assets					
Losses from debt reconstructing					
ts before income taxes ("-" for loss)		189,101,906.37	78,289,242.16	213,394,454.71	90,207,472.99
ome tax	32	51,652,725.42	20,769,500.32	57,299,833.41	23,813,662.23
rofit("-" for loss)		137,449,180.95	57,519,741.84	156,094,621.30	66,393,810.76
ofit attributable to the parent company		137,449,180.95	57,519,741.84	149,276,517.99	61,346,815.97
ofit attributable to non-controlling interest				6,818,103.31	5,046,994.79
ings per share (EPS):					
EPS					
d EPS					
r Comprehensive Income					
l Comprehensive Income		137,449,180.95	57,519,741.84	156,094,621.30	66,393,810.76
utable to the parent company		137,449,180.95	57,822,866.48	149,276,517.99	61,346,815.97
utable to non-controlling interest				6,818,103.31	5,046,994.79

esentative: Person in charge of accounting function: Person in charge of accounting department: 黄志斌

Consolidated Statement of Cash Flows

ed by: Guangdong Zhenrong Energy Co., Ltd. For the Year Ended December 31, 2011 Monetary unit:RMB yuan

Items	Parent Company		Consolidation	
	2011	2010	2011	2010
flows from operating activities:				
eceived from the sale of goods and rendering of services	18,094,158,182.94	7,638,879,015.06	19,784,231,748.02	10,183,430,757.86
of taxes and surcharges				
eceived from other operating activities	35,899,342.16	9,106,251.22	284,772,350.96	22,797,698.33
Total cash inflow from operating activities	18,130,057,525.10	7,647,985,266.28	20,069,004,098.98	10,206,228,456.19
aid for goods and services	14,880,951,901.48	7,348,909,634.09	17,512,450,963.49	9,002,504,503.63
aid to and on behalf of employees	12,713,202.22	25,562,008.23	15,320,945.84	31,602,523.49
ayments of taxes and surcharges	111,144,425.92	22,693,682.56	135,531,927.77	24,753,367.99
ayments for other operating activities	321,155,647.87	207,724,706.84	165,112,045.82	333,772,477.74
Total cash outflow for operating activities	15,325,965,177.49	7,604,890,031.72	17,828,415,882.92	9,392,632,872.85
Net cash flows generated from operating activities	2,804,092,347.61	43,095,234.56	2,240,588,216.06	813,595,583.34
h flows from investing activities:				
eceived from disposal of investments				
eceived from returns on investments				
sh received from disposal of fixed assets, intangible assets and other m assets	16,000.00		16,000.00	
sh received from disposal of subsidiaries and other companies				
eceived from other investing activities				
Total cash inflow from investing activities	16,000.00		16,000.00	
nts for fixed assets, intangible assets and other long-term assets	4,797,754.44	5,959,078.71	6,494,290.86	6,185,339.19
nts for investments	21,200,000.00		21,200,000.00	
nts for acquiring subsidiaries and other companies, net				
nts for other investing activities			409,485.17	
Total cash outflow for investing activities	25,997,754.44	5,959,078.71	28,103,776.03	6,185,339.19
Net cash flows from investing activities	-25,981,754.44	-5,959,078.71	-28,087,776.03	-6,185,339.19
h flows from financing activities:				
ceived from capital contributions		51,980,321.60	10,000,000.00	51,980,321.60
g:cash received from capital contributions from minority interests				
ceived from borrowings	3,268,655,458.57	2,937,613,535.43	3,418,655,458.57	3,212,613,535.43
received from issuing bonds				
ceived from other financing activities				
Total cash inflow from financing activities	3,268,655,458.57	2,989,593,857.03	3,428,655,458.57	3,264,593,857.03
ents of borrowings	4,433,200,128.39	2,176,519,808.83	4,499,290,149.32	2,351,519,808.83
tion of dividends or profits and interests payments	114,855,108.28	58,305,455.81	128,626,429.99	62,645,051.16
g:dividend and profits paid to minority interests				
ts for other financing activities				
Total cash outflow for financing activities	4,548,055,236.67	2,234,825,264.64	4,627,916,579.31	2,414,164,859.99
Net cash flows from financing activities	-1,279,399,778.10	754,768,592.39	-1,199,261,120.74	850,428,997.04
t of exchange rate changes on cash and cash equivalents				
crease(decrease) in cash and cash equivalents	1,498,710,815.07	791,904,748.24	1,013,239,319.29	1,657,839,241.19
sh and cash equivalents at beginning of year	1,638,606,277.59	846,701,529.35	2,562,377,000.44	904,537,759.25
and cash equivalents at end of year	3,137,317,092.66	1,638,606,277.59	3,575,616,319.73	2,562,377,000.44

esentative: Person in charge of accounting function: Person in charge of accounting department: 黄志斌

公 证 书

(2015)粤广白云第3567号

申请人：广东振戎能源有限公司,营业执照注册号：440000000053809，住所：广州市天河区珠江新城华夏路8号合景国际金融广场第35层，法定代表人：熊韶辉，男，于一九六六年六月一日出生，公民身份号码：440111196606010355，住北京市。

委托代理人：刘熠，女，于一九八九年四月三日出生，公民身份号码：500234198904030026，住广州市。

公证事项：影印本与原本相符

兹证明前面的影印本与广东振戎能源有限公司的委托代理人刘熠出示给本公证员的《审计报告》及其附件的原本相符。前面的影印本所附的英文译本内容与中文原本内容相符。

中华人民共和国广东省广州市白云公证处

公证员：林志辉

广东省广州市白云公证处

二〇一五年四月十七日

II62646078

NOTARIAL CERTIFICATE

(2015)YGBY,No.3567

Applicant:GUANGDONG ZHEN RONG ENERGY CO., LTD, Registered No.: 440000000053809, Address: 35 Floor, Hejing International Finance Place, No.8 Huaxia Road, Zhujiang New Town, Tianhe District, Guangzhou City.

Legal Representative: XIONG SHAOHUI, male, born on June 1,1966, ID.No.: 440111196606010355, now residing in Beijing City.

Authorized Agent: LIU YI, female, born on April 3,1989, ID.No.:500234198904030026, now residing in Guangzhou City.

Issue under notarization: true and exact copy

This is to certify that the foregoing copy conforms to the original INDEPENDENT AUDITORS' REPORT showed by LIU YI (Authorized Agent of GUANGDONG ZHEN RONG ENERGY CO., LTD) to me, the notary public,and that the attached English translation of the copy conforms to the original document in Chinese.

Notary: LIN ZHIHUI

Baiyun Notary Public Office

Guangzhou City, Guangdong Province

The People's Republic of China

April 17, 2015

I I 62646079

认字第150136282-001号

兹证明前面文书上公证处的印章和公证员**林志辉**的签名（印章）属实。

中华人民共和国外交部
领事司　一　等秘书
二〇一五年四月二十九日

CHINA LEGALIZATION

4384845

EMBASSY OF THE REPUBLIC OF THE UNION OF MYANMAR
BEIJING

Legalization No. 384

This is to certify the genuine seal of the Ministry of Foreign Affairs of the People's Republic of China and signature of Mr. Peng Haiqiu, 1st Secretary of Consular Dept.

25.5.MCI

Dated: 22 MAY 2015 Consular Officer

The Embassy assumes no responsibility on the content of the document

EMBASSY OF THE REPUBLIC OF THE UNION OF MYANMAR
012
BEIJING

公 证 书

中华人民共和国广东省广州市白云公证处

Baiyun Notary Public Office, Guangzhou City, Guangdong Province, P. R. China

审 计 报 告

大华审字[2013]004672号

广东振戎能源有限公司全体股东：

我们审计了后附的广东振戎能源有限公司（以下简称贵公司）财务报表，包括2012年12月31日的合并及母公司资产负债表，2012年度的合并及母公司利润表、合并及母公司现金流量表、合并及母公司所有者权益变动表以及财务报表附注。

一、管理层对财务报表的责任

编制和公允列报财务报表是贵公司管理层的责任，这种责任包括：（1）按照企业会计准则的规定编制财务报表，并使其实现公允反映；（2）设计、执行和维护必要的内部控制，以使财务报表不存在由于舞弊或错误导致的重大错报。

二、注册会计师的责任

我们的责任是在执行审计工作的基础上对财务报表发表审计意见。我们按照中国注册会计师审计准则的规定执行了审计工作。中国注册会计师审计准则要求我们遵守职业道德守则，计划和执行审计工作以对财务报表是否不存在重大错报获取合理保证。

审计工作涉及实施审计程序，以获取有关财务报表金额和披露的审计证据。选择的审计程序取决于注册会计师的判断，包括对由于舞弊或错误导致的财务报表重大错报风险的评估。在进行风险评估时，注册会计师考虑与财务报表编制和公允列报相关的内部控制，以设计恰当的审计程序，但目的并非对内部控制的有效性发表意见。审计工

作还包括评价管理层选用会计政策的恰当性和作出会计估计的合理性，以及评价财务报表的总体列报。

我们相信，我们获取的审计证据是充分、适当的，为发表审计意见提供了基础

三、审计意见

我们认为，贵公司的财务报表在所有重大方面按照企业会计准则的规定编制，公允反映了贵公司 2012 年 12 月 31 日的合并及母公司财务状况以及 2012 年度的合并及母公司经营成果和现金流量。

四、其他事项

如财务报表附注八/注释五预付款项项目所述，2012 年 10 月 12 日，贵公司所属子公司顺光投资有限公司与南方石化集团有限公司及其附属关联公司签订认购协议，当完成设定条件后，将收购其附属关联公司的石油仓储业务，截至 2012 年 12 月 31 日止，已支付筹资费用、律师费、财务咨询费等其他相关费用合计 3,625.82 万元，投资相关费用 2012 年度未确认当期损益，由于未能与贵公司管理层及组成部分执行审计工作的注册会计师达成一致意见，我们提醒报表使用者关注。

同时我们也注意到，根据认购协议约定，当设定条件完成时，如果南方石化仓储集团有限公司所属关联公司未交付收购资产，则需要支付顺光投资有限公司违约金 3500 万美元。

大华会计师事务所(特殊普通合伙)　　　　中国注册会计师：高世茂

中国·北京　　　　中国注册会计师：霍耀俊

二〇一三年四月十七日

资产负债表

制单位：广东振戎能源有限公司　　2012年12月31日　　金额单位：人民币元

项　　目	母公司			合并		
	注释	2012年12月31日	2011年12月31日	注释	2012年12月31日	2011年12月31日
流动资产：						
货币资金		4,291,611,247.65	3,137,317,092.66	1	7,523,497,590.80	3,575,616,319.73
结算备付金						
拆出资金						
交易性金融资产				2	155,660.10	
应收票据		5,960,911,167.86	3,291,138,513.43	3	6,032,295,864.18	3,439,388,513.43
应收账款	a	7,888,854,237.92	2,785,534,946.17	4	10,065,765,551.49	3,084,690,712.77
预付款项		1,471,600,885.03	752,322,367.67	5	1,871,196,565.54	1,070,043,844.43
应收保费						
应收分保账款						
应收分保合同准备金						
应收利息				6	2,177,694.54	2,888,267.09
应收股利						
其他应收款	b	1,558,137,667.39	473,886,258.77	7	660,377,219.34	344,497,259.08
买入返售金融资产						
存货		117,321,644.12	130,360,022.28	8	153,593,340.52	150,026,306.45
一年内到期的非流动资产						
其他流动资产		103,000,000.00		9	103,300,766.62	
流动资产合计		21,391,436,849.97	10,570,559,200.98		26,412,360,253.13	11,667,151,222.98
非流动资产：						
发放委托贷款及垫款						
可供出售金融资产						
持有至到期投资						
长期应收款						
长期股权投资	c	246,174,509.91	82,769,860.79	10	107,249,836.91	50,269,860.79
投资性房地产						
固定资产		11,703,988.45	10,569,142.52	11	17,733,369.25	13,103,378.39
在建工程						
工程物资						
固定资产清理						
生产性生物资产						
油气资产						
无形资产						
开发支出						
商誉				12	675,739.33	675,739.33
长期待摊费用		431,579.32	1,099,160.47	13	844,902.76	1,723,513.71
递延所得税资产		32,614,104.82	14,311,440.24	14	34,207,891.14	15,677,335.64
其他非流动资产						
非流动资产合计		290,924,182.50	108,749,604.02		160,711,739.39	81,449,827.86
资　产　总　计		21,682,361,032.47	10,679,308,805.00		26,573,071,992.52	11,748,601,050.84

企业法定代表人：　　主管会计工作负责人：　　会计机构负责人：黄志斌

资产负债表（续）

编制单位：广东振戎能源有限公司 　　2012年12月31日 　　金额单位：人民币元

项　　目	母公司			合并		
	注释	2012年12月31日	2011年12月31日	注释	2012年12月31日	2011年12月31日
流动负债：						
短期借款		3,790,498,350.41	3,135,265,571.81	16	5,089,397,595.92	3,369,175,550.88
向中央银行借款						
吸收存款及同业存放						
拆入资金						
交易性金融负债						
应付票据		4,113,971,974.57	1,695,571,440.00	17	4,190,971,974.57	1,744,071,440.00
应付账款		10,550,925,808.98	3,585,897,520.99	18	11,666,586,351.35	4,077,604,506.64
预收款项		813,034,990.48	1,709,503,776.82	19	2,966,995,019.23	1,915,256,689.58
卖出回购金融资产款						
应付手续费及佣金						
应付职工薪酬		32,225,163.52	18,187,920.42	20	38,332,984.22	23,877,245.30
应交税费		72,050,574.99	39,850,306.87	21	115,389,503.61	49,689,668.72
应付利息		13,171,508.39	4,665,593.75	22	16,187,033.96	4,826,615.75
应付股利						
其他应付款		1,489,014,716.58	19,471,378.51	23	1,507,601,358.14	41,341,136.03
应付分保账款						
保险合同准备金						
代理买卖证券款						
代理承销证券款						
一年内到期的非流动负债						
其他流动负债						
流动负债合计		20,874,893,087.92	10,208,413,509.17		25,591,461,821.00	11,225,842,852.90
非流动负债：						
长期借款		440,260,295.35		24	440,260,295.35	
应付债券						
长期应付款						
专项应付款						
预计负债						
递延所得税负债						
其他非流动负债						
非流动负债合计		440,260,295.35			440,260,295.35	
负 债 合 计		21,315,153,383.27	10,208,413,509.17		26,031,722,116.35	11,225,842,852.90
所有者权益（或股东权益）：						
实收资本（或股本）		198,788,421.41	89,200,000.00	25	198,788,421.41	89,200,000.00
资本公积		39,012,278.45	30,586,680.05	26	39,012,278.45	30,586,680.05
减：库存股						
专项储备						
盈余公积		47,215,796.84	36,794,462.65	27	47,215,796.84	36,794,462.65
一般风险准备						
未分配利润		82,191,152.50	314,314,153.13	28	197,262,925.78	325,915,008.37
外币报表折算差额						
归属于母公司所有者权益合计		367,207,649.20	470,895,295.83		482,279,422.48	482,496,151.07
*少数股东权益					59,070,453.69	40,262,046.87
所有者权益合计		367,207,649.20	470,895,295.83		541,349,876.17	522,758,197.94
负债和所有者权益总计		21,682,361,032.47	10,679,308,805.00		26,573,071,992.52	11,748,601,050.84

企业法定代表人： 　　主管会计工作负责人： 　　会计机构负责人：黄志斌

利润表

广东振戎能源有限公司　　2012年度　　金额单位：人民币元

项　目	母公司			合并		
	注释	2012年度	2011年度	注释	2012年度	2011年度
总收入		28, 642, 539, 503. 19	16, 674, 469, 971. 79		48, 439, 049, 946. 94	18, 344, 807, 379. 89
营业收入	d	28, 642, 539, 503. 19	16, 674, 469, 971. 79	29	48, 439, 049, 946. 94	18, 344, 807, 379. 89
利息收入						
已赚保费						
手续费及佣金收入						
总成本		28, 521, 260, 481. 93	16, 514, 601, 323. 89		48, 172, 739, 351. 58	18, 163, 564, 418. 59
营业成本	d	28, 148, 602, 865. 38	16, 365, 043, 586. 41	29	47, 732, 565, 868. 66	17, 985, 909, 009. 38
利息支出						
手续费及佣金支出						
退保金						
赔付支出净额						
提取保险合同准备金净额						
保单红利支出						
分保费用						
营业税金及附加		17, 301, 319. 34	9, 376, 816. 47		19, 122, 901. 11	11, 102, 558. 45
销售费用		32, 958, 848. 96	30, 975, 810. 78	30	62, 846, 551. 55	44, 739, 851. 85
管理费用		96, 995, 525. 44	58, 981, 666. 96	31	122, 062, 764. 36	75, 420, 664. 34
财务费用		167, 141, 383. 05	67, 465, 902. 57	32	174, 971, 596. 94	67, 815, 703. 39
资产减值损失		58, 260, 539. 76	-17, 242, 459. 30	33	61, 169, 668. 96	-21, 423, 368. 82
公允价值变动收益（损失以"-"号填列）				34	-8, 870. 00	
投资收益（损失以"-"号填列）	e	1, 979, 976. 12	3, 189, 929. 11	35	3, 057, 332. 60	3, 189, 929. 11
其中：对联营企业和合营企业的投资收益						
汇兑收益（损失以"-"号填列）						
利润（亏损以"—"号填列）		123, 258, 997. 38	163, 058, 577. 01		269, 359, 057. 96	184, 432, 890. 41
营业外收入		18, 924, 410. 91	28, 089, 778. 82	36	23, 970, 992. 41	31, 045, 690. 73
营业外支出		908, 036. 48	2, 046, 449. 46	37	1, 026, 715. 82	2, 084, 126. 43
其中：非流动资产处置损失		978. 40	4, 490. 25		978. 40	4, 490. 25
润总额（亏损总额以"—"号填列）		141, 275, 371. 81	189, 101, 906. 37		292, 303, 334. 55	213, 394, 454. 71
所得税费用	f	37, 062, 029. 88	51, 652, 725. 42	38	70, 710, 667. 76	57, 299, 833. 41
利润（净亏损以"—"号填列）		104, 213, 341. 93	137, 449, 180. 95		221, 592, 666. 79	156, 094, 621. 30
属于母公司所有者的净利润		104, 213, 341. 93	137, 449, 180. 95		207, 684, 259. 97	149, 276, 517. 99
数股东损益					13, 908, 406. 82	6, 818, 103. 31
股收益：						
本每股收益						
释每股收益						
他综合收益						
合收益总额		104, 213, 341. 93	137, 449, 180. 95		221, 592, 666. 79	156, 094, 621. 30
归属于母公司所有者的综合收益总额					207, 684, 259. 97	149, 276, 517. 99
*归属于少数股东的综合收益总额					13, 908, 406. 82	6, 818, 103. 31

定代表人：　　主管会计工作负责人：　　会计机构负责人：黄志斌

现金流量表

：广东振戎能源有限公司 2012年度 金额单位：人民币元

项目	母公司		合并	
	2012年度	2011年度	2012年度	2011年度
营活动产生的现金流量：				
商品、提供劳务收到的现金	26,051,626,149.85	18,094,158,182.94	51,381,350,006.40	19,784,231,748.02
户存款和同业存放款项净增加额				
中央银行借款净增加额				
其他金融机构拆入资金净增加额				
到原保险合同保费取得的现金				
到再保险业务现金净额				
户储金及投资款净增加额				
置交易性金融资产净增加额				
取利息、手续费及佣金的现金				
入资金净增加额				
购业务资金净增加额				
到的税费返还				
到其他与经营活动有关的现金	274,681,517.13	40,373,852.13	347,384,251.64	284,772,350.96
经营活动现金流入小计	26,326,307,666.98	18,134,532,035.07	51,728,734,258.04	20,069,004,098.98
买商品、接受劳务支付的现金	24,258,445,393.39	14,880,951,901.48	48,788,600,361.23	17,512,450,963.49
户贷款及垫款净增加额				
放中央银行和同业款项净增加额				
付原保险合同赔付款项的现金				
付利息、手续费及佣金的现金				
付保单红利的现金				
付给职工以及为职工支付的现金	50,633,336.83	12,713,202.22	60,800,248.45	15,320,945.84
付的各项税费	103,595,818.19	111,144,425.92	132,332,798.92	135,531,927.77
付其他与经营活动有关的现金	1,466,326,667.58	325,630,157.84	388,555,931.43	165,112,045.82
经营活动现金流出小计	25,879,001,215.99	15,330,439,687.46	49,370,289,340.03	17,828,415,882.92
经营活动产生的现金流量净额	447,306,450.99	2,804,092,347.61	2,358,444,918.01	2,240,588,216.06
资活动产生的现金流量：				
回投资收到的现金				
得投资收益收到的现金				
置固定资产、无形资产和其他长期资产所收回的现金净额	1,457,655.62	16,000.00	1,457,655.62	16,000.00
置子公司及其他营业单位收回的现金净额				
到其他与投资活动有关的现金			291,749,953.17	
投资活动现金流入小计	1,457,655.62	16,000.00	293,207,608.79	16,000.00
建固定资产、无形资产和其他长期资产所支付的现金	3,499,973.38	4,797,754.44	3,855,634.41	6,494,290.86
资支付的现金	201,100,000.00	21,200,000.00	169,405,828.80	21,200,000.00
押贷款净增加额				
得子公司及其他营业单位支付的现金净额				
付其他与投资活动有关的现金			36,258,215.00	409,485.17
投资活动现金流出小计	204,599,973.38	25,997,754.44	209,519,678.21	28,103,776.03
投资活动产生的现金流量净额	-203,142,317.76	-25,981,754.44	83,687,930.58	-28,087,776.03
资活动产生的现金流量：				
收投资收到的现金	19,744,846.37		25,144,846.37	10,000,000.00
其中：子公司吸收少数股东投资收到的现金				
取得借款所收到的现金	6,480,466,149.94	3,268,655,458.57	9,298,522,105.19	3,418,655,458.57
发行债券收到的现金				
收到其他与筹资活动有关的现金				
筹资活动现金流入小计	6,500,210,996.31	3,268,655,458.57	9,323,666,951.56	3,428,655,458.57
尝还债务所支付的现金	5,384,973,075.99	4,433,200,128.39	7,587,479,420.80	4,499,290,149.32
分配股利、利润或偿付利息所支付的现金	205,107,898.56	114,855,108.28	230,439,108.28	128,626,429.99
其中：子公司支付给少数股东的股利、利润				
支付其他与筹资活动有关的现金				
筹资活动现金流出小计	5,590,080,974.55	4,548,055,236.67	7,817,918,529.08	4,627,916,579.31
筹资活动产生的现金流量净额	910,130,021.76	-1,279,399,778.10	1,505,748,422.48	-1,199,261,120.74
汇率变动对现金及现金等价物的影响				
现金及现金等价物净增加额	1,154,294,154.99	1,498,710,815.07	3,947,881,271.07	1,013,239,319.29
加：年初现金及现金等价物余额	3,137,317,092.66	1,638,606,277.59	3,575,616,319.73	2,562,377,000.44
年末现金及现金等价物余额	4,291,611,247.65	3,137,317,092.66	7,523,497,590.80	3,575,616,319.73

法定代表人： 主管会计工作负责人： 会计机构负责人： 黄志斌

INDEPENDENT AUDITORS' REPORT
(English Translation)

DAHUA SHEN ZI (2013) NO.4672

TO Guangdong Zhenrong Energy Co., Ltd.

We have audited the accompanying financial statements of Guangdong Zhenrong Energy Co., Ltd. ("the Company"), which comprise the consolidated and the Company's statement of financial position as at December 31, 2012, and the consolidated and the Company's statement of comprehensive income, the consolidated and the Company's statement of cash flows, and the consolidated and the Company's statement of changes in equity for the year then ended, and other explanatory notes.

Management's responsibility for the financial statements

Management is responsible for the preparation and fair presentation of these financial statements. This responsibility includes: (1) Preparing these financial statements in accordance with the Accounting Standards for Business Enterprises issued by the Ministry of Finance of the People's Republic of China, and fairly presenting them; (2) Designing, implementing and maintaining internal control which is necessary to enable that the financial statements are free from material misstatements, whether due to fraud or error.

Auditor's responsibility

Our responsibility is to express an audit opinion on these financial statements based on our audit. We conducted our audit in accordance with Chinese Certified Public Accountants Auditing Standards. These standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amount and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the Company and of the Group as at December 31,

2012 and the results of financial performance and cash flows of the Company and of the Group for the year then ended in accordance with the Accounting Standards for Business Enterprises.

Other matters

Such as Note VIII(5) advances to suppliers, the subsidiary Docile Bright Investments Limited of the Company signed the subscription agreement with Southernpec Storage Limited. and its subsidiaries. The Company will acquire its oil storage business when certain conditions have completed. As at December 31, 2012, the Company had to pay the financing expenses, legal fees, financial advisory fees and other related expenses amount to RMB36.2582million which was not included in the current profits and losses. We remind the users of financial statements attention that the above matters we are not agree with the management and the CPA of part of the Company.

At the same time, we also pay attention that Southernpec Storage Limited should pay liquidated damages USD 35million to Docile Bright Investments Limited if its subsidiaries has not hand over purchased assets when certain conditions have completed according to the subscription agreement.

DaHua Certified Public Accountants

(Special General Partnership)

Beijing P.R China

Certified Public Accountant

Registered in People's Republic of China

中国注册
会计师
高世茂

中国注册
会计师
霍耀俊

17 April 2013

Balance Sheet

As at 31 December 2012

g Zhenrong Energy Co., Ltd.

Expressed in RMB yuan

Items	Note	The company		Note	Consolidated	
		2012	2011		2012	2011
ssets						
and Cash Equivalents		4,291,611,247.65	3,137,317,092.66	1	7,523,497,590.80	3,575,616,319.73
Financial assets				2	155,660.10	
Receivable		5,960,911,167.86	3,291,138,513.43	3	6,032,295,864.18	3,439,388,513.43
nts Receivable	a	7,888,854,237.92	2,785,534,946.17	4	10,065,765,551.49	3,084,690,712.77
nces to Suppliers		1,471,600,885.03	752,322,367.67	5	1,871,196,565.54	1,070,043,844.43
sts Receivable				6	2,177,694.54	2,888,267.09
Receivable	b	1,558,137,667.39	473,886,258.77	7	660,377,219.34	344,497,259.08
tories		117,321,644.12	130,360,022.28	8	153,593,340.52	150,026,306.45
Current Assets		103,000,000.00		9	103,300,766.62	
Total Current Assets		21,391,436,849.97	10,570,559,200.98		26,412,360,253.13	11,667,151,222.98
nt Assets						
-term Equity Investment	c	246,174,509.91	82,769,860.79	10	107,249,836.91	50,269,860.79
Assets		11,703,988.45	10,569,142.52	11	17,733,369.25	13,103,378.39
dwill				12	675,739.33	675,739.33
-term deffered Expenses		431,579.32	1,099,160.47	13	844,902.76	1,723,513.71
rred Tax Assets		32,614,104.82	14,311,440.24	14	34,207,891.14	15,677,335.64
r Non-current Assets						
otal Non-current Assets		290,924,182.50	108,749,604.02		160,711,739.39	81,449,827.86
Total Assets		21,682,361,032.47	10,679,308,805.00		26,573,071,992.52	11,748,601,050.84

presentative: Person in Charge of Accounting Function Person in Charge of Accounting Department:

黄志诚

Balance sheet (Continued)

g Zhenrong Energy Co., Ltd.

Expressed in RMB yuan

Items	Note	The company		Note	Consolidated	
		2012	2011		2012	2011
abilities						
term Loans		3,790,498,350.41	3,135,265,571.81	16	5,089,397,595.92	3,369,175,550.88
Financial Libilities						
ayable		4,113,971,974.57	1,695,571,440.00	17	4,190,971,974.57	1,744,071,440.00
nts Payable		10,550,925,808.98	3,585,897,520.99	18	11,666,586,351.35	4,077,604,506.64
nces from Customers		813,034,990.48	1,709,503,776.82	19	2,966,995,019.23	1,915,256,689.58
oyee Compensation Payable		32,225,163.52	18,187,920.42	20	38,332,984.22	23,877,245.30
and Surcharges Payable		72,050,574.99	39,850,306.87	21	115,389,503.61	49,689,668.72
sts Payable		13,171,508.39	4,665,593.75	22	16,187,033.96	4,826,615.75
ens Payable						
Payable		1,489,014,716.58	19,471,378.51	23	1,507,601,358.14	41,341,136.03
urrent Liabilities due within One Year						
Current Liabilities						
Total Current Liabilities		20,874,893,087.92	10,208,413,509.17		25,591,461,821.00	11,225,842,852.90
n Liabilities						
-term Loans		440,260,295.35		24	440,260,295.35	
s Payable						
-term Payable						
ial Payable						
sions						
rred Tax Liabilities						
r Non-current Liabilities						
tal Non-current Liabilities		440,260,295.35			440,260,295.35	
Total Liabilities		21,315,153,383.27	10,208,413,509.17		26,031,722,116.35	11,225,842,852.90
ders' Equity						
Capital		198,788,421.41	89,200,000.00	25	198,788,421.41	89,200,000.00
tal Reserve		39,012,278.45	30,586,680.05	26	39,012,278.45	30,586,680.05
: Teasury Stock						
ial Reserve						
lus Reserve		47,215,796.84	36,794,462.65	27	47,215,796.84	36,794,462.65
stributed Profit		82,191,152.50	314,314,153.13	28	197,262,925.78	325,915,008.37
gn Currency Translation Differences						
ributable to the Parent Company		367,207,649.20	470,895,295.83		482,279,422.48	482,496,151.07
rity Interest					59,070,453.69	40,262,046.87
otal Shareholders' Equity		367,207,649.20	470,895,295.83		541,349,876.17	522,758,197.94
abilities & Shareholders' Equity		21,682,361,032.47	10,679,308,805.00		26,573,071,992.52	11,748,601,050.84

resentative: Person in Charge of Accounting Function Person in Charge of Accounting Department:

肖志斌

Income statement

For the year ended 31 December 2012

ong Zhenrong Energy Co., Ltd.

Expressed in RMB yuan

Items	Note	The company		Note	Consolidated	
		2012	2011		2012	2011
perating Income		28,642,539,503.19	16,674,469,971.79		48,439,049,946.94	18,344,807,379.89
perating Income	d	28,642,539,503.19	16,674,469,971.79	29	48,439,049,946.94	18,344,807,379.89
terest Revenue						
erating Cost		28,521,260,481.93	16,514,601,323.89		48,172,739,351.58	18,163,564,418.59
perating Cost	d	28,148,602,865.38	16,365,043,586.41	29	47,732,565,868.66	17,985,909,009.38
siness taxes and surcharges		17,301,319.34	9,376,816.47		19,122,901.11	11,102,558.45
lling Expenses		32,958,848.96	30,975,810.78	30	62,846,551.55	44,739,851.85
neral and Administrative Expenses		96,995,525.44	58,981,666.96	31	122,062,764.36	75,420,664.34
ancial (Income)/Expenses		167,141,383.05	67,465,902.57	32	174,971,596.94	67,815,703.39
paikment Losses		58,260,539.76	-17,242,459.30	33	61,169,668.96	-21,423,368.82
dd: Gains/Losses from Change in Fair Value				34	-8,870.00	
vestment income("-" for loss)	e	1,979,976.12	3,189,929.11	35	3,057,332.60	3,189,929.11
ing Profit("-" for loss)		123,258,997.38	163,058,577.01		269,359,057.96	184,432,890.41
n-operating income		18,924,410.91	28,089,778.82	36	23,970,992.41	31,045,690.73
n-operating expenses		908,036.48	2,046,449.46	37	1,026,715.82	2,084,126.43
ing: Losses from the disposal of non-current assets		978.40	4,490.25		978.40	4,490.25
efore Income Taxes ("-" for loss)		141,275,371.81	189,101,906.37		292,303,334.55	213,394,454.71
: Income Tax	f	37,062,029.88	51,652,725.42	38	70,710,667.76	57,299,833.41
fit ("-" for loss)		104,213,341.93	137,449,180.95		221,592,666.79	156,094,621.30
utable to the Shareholder of the Company		104,213,341.93	137,449,180.95		207,684,259.97	149,276,517.99
rity Interest					13,908,406.82	6,818,103.31
gs Per Share						
c Earning Per Share						
ed Earning Per Share						
Comprehensive Income						
ulated Other Comprehensive Income		104,213,341.93	137,449,180.95		221,592,666.79	156,094,621.30
utable to the Shareholder of the Company					207,684,259.97	149,276,517.99
utable to Minority Interest					13,908,406.82	6,818,103.31

epresentative:

Person in Charge of Accounting Function

Person in Charge of Accounting Department:

黄志斌

Cash Flow Statement

For the year ended 31 December 2012

...ong Zhenrong Energy Co., Ltd.

Expressed in RMB yuan

Items	The Company		Consolidated	
	2012	2011	2012	2011
...w from Operating Activities				
...sh Received from Sale of Goods and Rendering of ...vices	26, 051, 626, 149. 85	18, 094, 158, 182. 94	51, 381, 350, 006. 40	19, 784, 231, 748. 02
...er Cash Received relating to the operating activities	274, 681, 517. 13	40, 373, 852. 13	347, 384, 251. 64	284, 772, 350. 96
Total Cash Inflow from Operating Activities	26, 326, 307, 666. 98	18, 134, 532, 035. 07	51, 728, 734, 258. 04	20, 069, 004, 098. 98
...sh Paid for Goods and Services	24, 258, 445, 393. 39	14, 880, 951, 901. 48	48, 788, 600, 361. 23	17, 512, 450, 963. 49
...sh Paid to and on Behalf of Employees	50, 633, 336. 83	12, 713, 202. 22	60, 800, 248. 45	15, 320, 945. 84
...sh Paid for all Types of Taxes	103, 595, 818. 19	111, 144, 425. 92	132, 332, 798. 92	135, 531, 927. 77
...her Cash Paid relating to the operating activities	1, 466, 326, 667. 58	325, 630, 157. 84	388, 555, 931. 43	165, 112, 045. 82
Total Cash Outflow for Operating Activities	25, 879, 001, 215. 99	15, 330, 439, 687. 46	49, 370, 289, 340. 03	17, 828, 415, 882. 92
Net Cash Flow from Operating Activities	447, 306, 450. 99	2, 804, 092, 347. 61	2, 358, 444, 918. 01	2, 240, 588, 216. 06
...ow from Investing Activities				
...sh Received from Disposal of Investments				
...sh Received from Return on Investments				
...sh Received from Disposal of Fixed Assets, Intangible ...ssets and Other Long-term Assets	1, 457, 655. 62	16, 000. 00	1, 457, 655. 62	16, 000. 00
...et Cash Inflows of Disposal of Subsidiaries and Other ...usiness Entities				
...ther Cash Received relating to Investing Activities			291, 749, 953. 17	
Total Cash Inflow from Investing Activities	1, 457, 655. 62	16, 000. 00	293, 207, 608. 79	16, 000. 00
...ash Paid for Acquisition of Fixed Assets, Intangible ...ssets and Other Long-term Assets	3, 499, 973. 38	4, 797, 754. 44	3, 855, 634. 41	6, 494, 290. 86
...ash Paid for Acquisition of Investments	201, 100, 000. 00	21, 200, 000. 00	169, 405, 828. 80	21, 200, 000. 00
...ash Paid for Acquisition of Subsidiaries and Other ...usiness Entities				
...ther Cash paid relating to Investing Activities			36, 258, 215. 00	409, 485. 17
Total Cash Outflow for Investing Activities	204, 599, 973. 38	25, 997, 754. 44	209, 519, 678. 21	28, 103, 776. 03
Net Cash Flow From Investing Activities	-203, 142, 317. 76	-25, 981, 754. 44	83, 687, 930. 58	-28, 087, 776. 03
...ows from Financing Activities				
...ash Received from Investors	19, 744, 846. 37		25, 144, 846. 37	10, 000, 000. 00
Inc: Cash Received from the investment of minority interest by subsidiaries				
...ash Received from Borrowing	6, 480, 466, 149. 94	3, 268, 655, 458. 57	9, 298, 522, 105. 19	3, 418, 655, 458. 57
...ther Cash Received relating to the Financing activities				
Total Cash Inflow from Financing Activities	6, 500, 210, 996. 31	3, 268, 655, 458. 57	9, 323, 666, 951. 56	3, 428, 655, 458. 57
...ash Repayments of Borrowings	5, 384, 973, 075. 99	4, 433, 200, 128. 39	7, 587, 479, 420. 80	4, 499, 290, 149. 32
...ash Paid for Dividends, Profits Distribution or Interest	205, 107, 898. 56	114, 855, 108. 28	230, 439, 108. 28	128, 626, 429. 99
Inc: Cash paid for the Dividends, Profits Distribution or Interest of minority interest by subsidiaries				
...ther Cash Paid relating to the Financing activities				
Total Cash Outflow for Financing Activities	5, 590, 080, 974. 55	4, 548, 055, 236. 67	7, 817, 918, 529. 08	4, 627, 916, 579. 31
Net Cash Flow from Financing Activities	910, 130, 021. 76	-1, 279, 399, 778. 10	1, 505, 748, 422. 48	-1, 199, 261, 120. 74
...f Exchange Rate Changes on Cash and Cash ...ents				
...ease (Decrease) in Cash and Cash Equivalents	1, 154, 294, 154. 99	1, 498, 710, 815. 07	3, 947, 881, 271. 07	1, 013, 239, 319. 29
...dd: Cash and Cash Equivalents at The Beginning of ...he Year	3, 137, 317, 092. 66	1, 638, 606, 277. 59	3, 575, 616, 319. 73	2, 562, 377, 000. 44
...nd Cash Equivalents at The End of The Year	4, 291, 611, 247. 65	3, 137, 317, 092. 66	7, 523, 497, 590. 80	3, 575, 616, 319. 73

...epresentative: Person in Charge of Accounting Function Person in Charge of Accounting Department:

公 证 书

(2015)粤广白云第3568号

申请人：广东振戎能源有限公司,营业执照注册号：440000000053809，住所：广州市天河区珠江新城华夏路8号合景国际金融广场第35层，法定代表人：熊韶辉，男，于一九六六年六月一日出生，公民身份号码：440111196606010355，住北京市。

委托代理人：刘熠，女，于一九八九年四月三日出生，公民身份号码：500234198904030026，住广州市。

公证事项：影印本与原本相符

兹证明前面的影印本与广东振戎能源有限公司的委托代理人刘熠出示给本公证员的《审计报告》及其附件的原本相符。前面的影印本所附的英文译本内容与中文原本内容相符。

中华人民共和国广东省广州市白云公证处

公证员：林志辉

广东省广州市白云公证处

二〇一五年四月十七日

I62646084

NOTARIAL CERTIFICATE

(2015)YGBY,No.3568

Applicant:GUANGDONG ZHEN RONG ENERGY CO., LTD, Registered No.: 440000000053809, Address: 35 Floor, Hejing International Finance Place, No.8 Huaxia Road, Zhujiang New Town, Tianhe District, Guangzhou City.

Legal Representative: XIONG SHAOHUI, male, born on June 1,1966, ID.No.: 440111196606010355, now residing in Beijing City.

Authorized Agent: LIU YI, female, born on April 3,1989, ID.No.:500234198904030026, now residing in Guangzhou City.

Issue under notarization: true and exact copy

This is to certify that the foregoing copy conforms to the original INDEPENDENT AUDITORS' REPORT (English Translation) showed by LIU YI (Authorized Agent of GUANGDONG ZHEN RONG ENERGY CO., LTD) to me, the notary public,and that the attached English translation of the copy conforms to the original document in Chinese.

Notary: LIN ZHIHUI

Baiyun Notary Public Office

Guangzhou City, Guangdong Province

The People's Republic of China

April 17, 2015

I 62646085

认字第150136284-001号

兹证明前面文书上公证处的印章和公证员**林志辉**的签名（印章）属实。

中华人民共和国外交部
领事司　一　等秘书
二〇一五年四月二十九日

4384844

中华人民共和国外交部领事司

EMBASSY OF THE REPUBLIC OF THE UNION OF MYANMAR
BEIJING

Legalization No. 382

This is to certify the genuine seal of the Ministry of Foreign Affairs of the People's Republic of China and signature of Mr. Peng Haiqiu, 1st Secretary of Consular Dept.

Dated: 22 MAY 2015

Consular Officer

The Embassy assumes no responsibility on the content of the document

EMBASSY OF THE REPUBLIC OF THE UNION OF MYANMAR
012
BEIJING

广东省……有限公司

缅甸

150136286-001 1/1 ②
缅甸 E D C
2015/06/12

公证书

中华人民共和国广东省广州市白云公证处

Baiyun Notary Public Office, Guangzhou City, Guangdong Province, P. R. China

审 计 报 告

大华审字[2014] 005228 号

广东振戎能源有限公司全体股东：

我们审计了后附的广东振戎能源有限公司（以下简称振戎能源）财务报表，包括2013年12月31日的合并及母公司资产负债表，2013年度的合并及母公司利润表、合并及母公司现金流量表、合并及母公司所有者权益变动表以及财务报表附注。

一、管理层对财务报表的责任

编制和公允列报财务报表是振戎能源管理层的责任，这种责任包括：（1）按照企业会计准则的规定编制财务报表，并使其实现公允反映；（2）设计、执行和维护必要的内部控制，以使财务报表不存在由于舞弊或错误导致的重大错报。

二、注册会计师的责任

我们的责任是在执行审计工作的基础上对财务报表发表审计意见。我们按照中国注册会计师审计准则的规定执行了审计工作。中国注册会计师审计准则要求我们遵守职业道德守则，计划和执行审计工作以对财务报表是否不存在重大错报获取合理保证。

审计工作涉及实施审计程序，以获取有关财务报表金额和披露的审计证据。选择的审计程序取决于注册会计师的判断，包括对由于舞弊或错误导致的财务报表重大错报风险的评估。在进行风险评估时，注册会计师考虑与财务报表编制和公允列报相关的内部控制，以设计

恰当的审计程序，但目的并非对内部控制的有效性发表意见。审计工作还包括评价管理层选用会计政策的恰当性和作出会计估计的合理性，以及评价财务报表的总体列报。

我们相信，我们获取的审计证据是充分、适当的，为发表审计意见提供了基础。

三、审计意见

我们认为，振戎能源的财务报表在所有重大方面按照企业会计准则的规定编制，公允反映了振戎能源 2013 年 12 月 31 日的合并及母公司财务状况以及 2013 年度的合并及母公司经营成果和现金流量。

大华会计师事务所(特殊普通合伙)　　　　中国注册会计师：

中国·北京　　　　中国注册会计师：

二〇一四年四月十五日

资产负债表

编制单位：广东振戎能源有限公司　　2013年12月31日　　金额单位：人民币元

项目	母公司			合并		
	注释	年末余额	年初余额	注释	年末余额	年初余额
流动资产：						
货币资金		5,898,643,907.41	4,291,611,247.65	(1)	7,459,518,805.75	7,523,497,590.80
结算备付金						
拆出资金						
交易性金融资产				(2)	7,005,890.50	155,660.10
应收票据		4,914,942,550.52	5,960,911,167.86	(3)	4,989,107,896.98	6,032,295,864.18
应收账款	(a)	12,122,733,659.43	7,888,854,237.92	(4)	15,478,605,103.98	10,065,765,551.49
预付款项		1,401,674,418.19	1,471,600,885.03	(5)	2,808,182,888.67	1,871,196,565.54
应收保费						
应收分保账款						
应收分保合同准备金						
应收利息		48,583,908.62		(6)	50,434,804.34	2,177,694.54
应收股利						
其他应收款	(b)	3,313,220,575.69	1,558,137,667.39	(7)	3,027,063,266.51	660,377,219.34
买入返售金融资产						
存货		171,381,271.30	117,321,644.12	(8)	535,946,761.13	153,593,340.52
一年内到期的非流动资产						
其他流动资产		778,150,000.00	103,000,000.00	(9)	890,466,929.71	103,300,766.62
流动资产合计		28,649,330,291.16	21,391,436,849.97		35,246,332,347.57	26,412,360,253.13
非流动资产：						
发放委托贷款及垫款						
可供出售金融资产						
持有至到期投资						
长期应收款						
长期股权投资	(c)	309,298,787.76	246,174,509.91	(10)	650,452,819.48	107,249,836.91
投资性房地产						
固定资产		14,955,465.53	11,703,988.45	(11)	2,173,404,010.53	17,733,369.25
在建工程				(12)	29,553,336.00	
工程物资						
固定资产清理						
生产性生物资产						
油气资产						
无形资产				(13)	1,052,629,408.43	
开发支出						
商誉				(14)	284,401,006.08	675,739.33
长期待摊费用		4,261,160.73	431,579.32	(15)	30,898,798.98	844,902.76
递延所得税资产		77,523,026.81	32,614,104.82	(16)	149,870,166.12	34,207,891.14
其他非流动资产				(17)	292,874,023.00	
非流动资产合计		406,038,440.83	290,924,182.50		4,664,083,568.62	160,711,739.39
资产总计		29,055,368,731.99	21,682,361,032.47		39,910,415,916.19	26,573,071,992.52

法定代表人：　　主管会计工作负责人：　　会计机构负责人：

资产负债表（续）

编制单位：广东振戎能源有限公司 2013年12月31日 金额单位：人民币元

项目	母公司			合并		
	注释	年末余额	年初余额	注释	年末余额	年初余额
流动负债：						
短期借款		6,661,492,205.11	3,790,498,350.41	(19)	8,016,821,888.66	5,089,397,595.92
向中央银行借款						
吸收存款及同业存放						
拆入资金						
交易性金融负债						
应付票据		4,388,797,177.59	4,113,971,974.57	(20)	4,626,996,185.00	4,190,971,974.57
应付账款		13,130,933,351.53	10,550,925,808.98	(21)	18,118,670,517.69	11,666,586,351.35
预收款项		2,095,852,455.06	813,034,990.48	(22)	4,003,735,301.73	2,966,995,019.23
卖出回购金融资产款						
应付手续费及佣金						
应付职工薪酬		33,141,701.02	32,225,163.52	(23)	43,977,548.27	38,332,984.22
应交税费		76,652,290.71	72,050,574.99	(24)	182,143,218.15	115,389,503.61
应付利息		47,828,301.41	13,171,508.39	(25)	48,408,919.84	16,187,033.96
应付股利		9,262,925.78		(26)	9,262,925.78	
其他应付款		919,687,022.74	1,489,014,716.58	(27)	1,500,896,829.24	1,507,601,358.14
应付分保账款						
保险合同准备金						
代理买卖证券款						
代理承销证券款						
一年内到期的非流动负债						
其他流动负债						
流动负债合计		27,363,647,430.95	20,874,893,087.92		36,550,913,334.36	25,591,461,821.00
非流动负债：						
长期借款		1,197,973,079.61	440,260,295.35	(28)	2,229,563,079.61	440,260,295.35
应付债券						
长期应付款						
专项应付款						
预计负债						
递延所得税负债				(16)	182,654,402.76	
其他非流动负债						
非流动负债合计		1,197,973,079.61	440,260,295.35		2,412,217,482.37	440,260,295.35
负债合计		28,561,620,510.56	21,315,153,383.27		38,963,130,816.73	26,031,722,116.35
所有者权益（或股东权益）：						
实收资本（或股本）		388,000,000.00	198,788,421.41	(29)	388,000,000.00	198,788,421.41
资本公积		39,012,278.45	39,012,278.45	(30)	39,087,090.87	39,012,278.45
减：库存股						
专项储备						
盈余公积		60,674,988.78	47,215,796.84	(31)	60,674,988.78	47,215,796.84
一般风险准备						
未分配利润		6,060,954.20	82,191,152.50	(32)	272,038,393.24	197,262,925.78
外币报表折算差额					2,314,746.75	
归属于母公司所有者权益合计		493,748,221.43	367,207,649.20		762,115,219.64	482,279,422.48
*少数股东权益					185,169,879.82	59,070,453.69
所有者权益合计		493,748,221.43	367,207,649.20		947,285,099.46	541,349,876.17
负债和所有者权益总计		29,055,368,731.99	21,682,361,032.47		39,910,415,916.19	26,573,071,992.52

定代表人： 主管会计工作负责人： 会计机构负责人：黄志斌

利润表

制单位：广东振戎能源有限公司

2013年度

金额单位：人民币元

项目	母公司			合并		
	注释	2013年度	2012年度	注释	2013年度	2012年度
、营业总收入		65,504,411,337.92	28,642,539,503.19		97,835,306,836.95	48,439,049,946.94
其中：营业收入	(d)	65,504,411,337.92	28,642,539,503.19	(33)	97,835,306,836.95	48,439,049,946.94
利息收入						
已赚保费						
手续费及佣金收入						
、营业总成本		65,411,652,199.44	28,521,260,481.93		97,498,927,129.11	48,172,739,351.58
其中：营业成本	(d)	64,917,793,569.89	28,148,602,865.38	(33)	96,837,992,741.66	47,732,565,868.66
利息支出						
手续费及佣金支出						
退保金						
赔付支出净额						
提取保险合同准备金净额						
保单红利支出						
分保费用						
营业税金及附加		4,504,475.39	17,301,319.34		8,134,373.97	19,122,901.11
销售费用		68,903,149.61	32,958,848.96		94,954,582.98	62,846,551.55
管理费用		116,664,120.98	96,995,525.44		195,809,389.73	122,062,764.36
财务费用		110,487,080.61	167,141,383.05		161,375,941.00	174,971,596.94
资产减值损失		193,299,802.96	58,260,539.76	(34)	200,660,099.77	61,169,668.96
加：公允价值变动收益（损失以"-"号填列）				(35)	-158,800.00	-8,870.00
投资收益（损失以"-"号填列）	(e)	70,711,186.32	1,979,976.12	(36)	61,038,176.35	3,057,332.60
其中：对联营企业和合营企业的投资收益		10,766,944.53	1,979,976.12		791,982.82	3,959,952.24
汇兑收益（损失以"-"号填列）						
三、营业利润（亏损以"—"号填列）		163,470,324.80	123,258,997.38		397,259,084.19	269,359,057.96
加：营业外收入		19,282,611.17	18,924,410.91	(37)	27,109,702.72	23,970,992.41
减：营业外支出		2,885,033.14	908,036.48	(38)	3,456,076.63	1,026,715.82
其中：非流动资产处置损失		66,894.48	978.40		66,894.48	978.40
、利润总额（亏损总额以"—"号填列）		179,867,902.83	141,275,371.81		420,912,710.28	292,303,334.55
减：所得税费用		45,275,983.41	37,062,029.88	(39)	104,733,395.45	70,710,667.76
、净利润（净亏损以"—"号填列）		134,591,919.42	104,213,341.93		316,179,314.83	221,592,666.79
归属于母公司所有者的净利润		134,591,919.42	104,213,341.93		285,497,585.18	207,684,259.97
*少数股东损益					30,681,729.65	13,908,406.82
、每股收益：						
基本每股收益						
稀释每股收益						
、其他综合收益				(40)	2,274,577.25	
、综合收益总额		134,591,919.42	104,213,341.93		318,453,892.08	221,592,666.79
归属于母公司所有者的综合收益总额					287,772,162.43	207,684,259.97
*归属于少数股东的综合收益总额					30,681,729.65	13,908,406.82

定代表人：　　　　主管会计工作负责人：　　　　会计机构负责人：黄志斌

现金流量表

：广东振戎能源有限公司　　　　2013年度　　　　金额单位：人民币元

项　　　目	母公司			合并		
	注释	2013年度	2012年度	注释	2013年度	2012年度
营活动产生的现金流量：						
商品、提供劳务收到的现金		67,375,079,103.44	26,051,626,149.85		143,930,940,868.18	51,381,350,006.40
户存款和同业存放款项净增加额						
中央银行借款净增加额						
其他金融机构拆入资金净增加额						
到原保险合同保费取得的现金						
到再保险业务现金净额						
户储金及投资款净增加额						
置交易性金融资产净增加额						
取利息、手续费及佣金的现金						
入资金净增加额						
购业务资金净增加额						
到的税费返还						
到其他与经营活动有关的现金		1,408,001,793.97	274,681,517.13		353,053,837.16	347,384,251.64
经营活动现金流入小计		68,783,080,897.41	26,326,307,666.98		144,283,994,705.34	51,728,734,258.04
买商品、接受劳务支付的现金		66,319,406,843.13	24,258,445,393.39		142,050,432,135.79	48,788,600,361.23
户贷款及垫款净增加额						
放中央银行和同业款项净增加额						
付原保险合同赔付款项的现金						
付利息、手续费及佣金的现金						
付保单红利的现金						
付给职工以及为职工支付的现金		59,273,794.50	50,518,724.67		83,638,482.42	60,777,280.42
付的各项税费		137,751,140.39	111,903,612.01		202,878,216.11	141,009,825.80
付其他与经营活动有关的现金		1,797,879,614.15	1,458,133,485.92		674,405,704.94	379,901,872.58
经营活动现金流出小计		68,314,311,392.17	25,879,001,215.99		143,011,354,539.26	49,370,289,340.03
经营活动产生的现金流量净额		468,769,505.24	447,306,450.99		1,272,640,166.08	2,358,444,918.01
资活动产生的现金流量：						
回投资收到的现金		283,128,077.04			283,128,077.04	
得投资收益收到的现金		16,358,004.56			16,642,487.74	
置固定资产、无形资产和其他长期资产所收回的现金净额		61,947.85	1,457,655.62		441,595.85	1,457,655.62
置子公司及其他营业单位收回的现金净额						
到其他与投资活动有关的现金					24,856,720.93	291,749,953.17
投资活动现金流入小计		299,548,029.45	1,457,655.62		325,068,881.56	293,207,608.79
建固定资产、无形资产和其他长期资产所支付的现金		10,229,817.88	3,499,973.38		168,979,787.09	3,855,634.41
资支付的现金		2,586,012,488.10	201,100,000.00		2,657,917,981.70	169,405,828.80
押贷款净增加额						
得子公司及其他营业单位支付的现金净额					2,336,211,089.00	
付其他与投资活动有关的现金						36,258,215.00
投资活动现金流出小计		2,596,242,305.98	204,599,973.38		5,163,108,857.79	209,519,678.21
投资活动产生的现金流量净额		-2,296,694,276.53	-203,142,317.76		-4,838,039,976.23	83,687,930.58
资活动产生的现金流量：						
收投资收到的现金		1,211,578.59	19,744,846.37		50,090,150.59	25,144,846.37
其中：子公司吸收少数股东投资收到的现金						
得借款所收到的现金		12,416,594,957.15	6,480,466,149.94		13,587,988,181.22	9,298,522,105.19
行债券收到的现金						
到其他与筹资活动有关的现金					1,000,000.00	
筹资活动现金流入小计		12,417,806,535.74	6,500,210,996.31		13,639,078,331.81	9,323,666,951.56
还债务所支付的现金		8,787,888,318.19	5,384,973,075.99		9,925,131,104.22	7,587,479,420.80
配股利、利润或偿付利息所支付的现金		194,960,786.50	205,107,898.56		214,650,412.49	230,439,108.28
其中：子公司支付给少数股东的股利、利润						
付其他与筹资活动有关的现金					1,000,000.00	
筹资活动现金流出小计		8,982,849,104.69	5,590,080,974.55		10,140,781,516.71	7,817,918,529.08
筹资活动产生的现金流量净额		3,434,957,431.05	910,130,021.76		3,498,296,815.10	1,505,748,422.48
率变动对现金及现金等价物的影响					3,124,210.00	
金及现金等价物净增加额		1,607,032,659.76	1,154,294,154.99		-63,978,785.05	3,947,881,271.07
年初现金及现金等价物余额		4,291,611,247.65	3,137,317,092.66		7,523,497,590.80	3,575,616,319.73
末现金及现金等价物余额		5,898,643,907.41	4,291,611,247.65		7,459,518,805.75	7,523,497,590.80

人：　　　　主管会计工作负责人：　　　　会计机构负责人：

大華會計師事務所
Da Hua Certified Public Accountants

INDEPENDENT AUDITORS' REPORT

(English Translation)

DAHUA SHEN ZI (2014) NO.5228

TO Guangdong Zhenrong Energy Co., Ltd.

We have audited the accompanying financial statements of Guangdong Zhenrong Energy Co., Ltd. ("the Company"), which comprise the consolidated and the Company's statement of financial position as at December 31, 2013, and the consolidated and the Company's statement of comprehensive income, the consolidated and the Company's statement of cash flows, and the consolidated and the Company's statement of changes in equity for the year then ended, and other explanatory notes.

Management's responsibility for the financial statements

Management is responsible for the preparation and fair presentation of these financial statements. This responsibility includes: (1) Preparing these financial statements in accordance with the Accounting Standards for Business Enterprises issued by the Ministry of Finance of the People's Republic of China, and fairly presenting them; (2) Designing, implementing and maintaining internal control which is necessary to enable that the financial statements are free from material misstatements, whether due to fraud or error.

Auditor's responsibility

Our responsibility is to express an audit opinion on these financial statements based on our audit. We conducted our audit in accordance with Chinese Certified Public Accountants Auditing Standards. These standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amount and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

大華會計師事務所
Da Hua Certified Public Accountants

Da Hua Shen Zi (2014) NO. 005228

Opinion

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the Company and of the Group as at December 31, 2013 and the results of financial performance and cash flows of the Company and of the Group for the year then ended in accordance with the Accounting Standards for Business Enterprises.

Da Hua Certified Public Accountants

(Special General Partnership)

Beijing P.R China

Certified Public Accountant

Registered in People's Republic of China

中国注册
会计师
高世茂

中国注册
会计师
霍耀俊

15 April 2014

Balance Sheet

As at 31 December 2013

ong Zhenrong Energy Co., Ltd.

Expressed in RMB yuan

Items	Note	The company		Note	Consolidated	
		2013	2012		2013	2012
Assets						
h and Cash Equivalents		5, 898, 643, 907. 41	4, 291, 611, 247. 65	1	7, 459, 518, 805. 75	7, 523, 497, 590. 80
de Financial assets				2	7, 005, 890. 50	155, 660. 10
s Receivable		4, 914, 942, 550. 52	5, 960, 911, 167. 86	3	4, 989, 107, 896. 98	6, 032, 295, 864. 18
ounts Receivable	a	12, 122, 733, 659. 43	7, 888, 854, 237. 92	4	15, 478, 605, 103. 98	10, 065, 765, 551. 49
vances to Suppliers		1, 401, 674, 418. 19	1, 471, 600, 885. 03	5	2, 808, 182, 888. 67	1, 871, 196, 565. 54
erests Receivable		48, 583, 908. 62		6	50, 434, 804. 34	2, 177, 694. 54
her Receivable	b	3, 313, 220, 575. 69	1, 558, 137, 667. 39	7	3, 027, 063, 266. 51	660, 377, 219. 34
entories		171, 381, 271. 30	117, 321, 644. 12	8	535, 946, 761. 13	153, 593, 340. 52
her Current Assets		778, 150, 000. 00	103, 000, 000. 00	9	890, 466, 929. 71	103, 300, 766. 62
Total Current Assets		28, 649, 330, 291. 16	21, 391, 436, 849. 97		35, 246, 332, 347. 57	26, 412, 360, 253. 13
rrent Assets						
ng-term Equity Investment	c	309, 298, 787. 76	246, 174, 509. 91	10	650, 452, 819. 48	107, 249, 836. 91
xed Assets		14, 955, 465. 53	11, 703, 988. 45	11	2, 173, 404, 010. 53	17, 733, 369. 25
nstruction in progress				12	29, 553, 336. 00	
angible assets				13	1, 052, 629, 408. 43	
oodwill				14	284, 401, 006. 08	675, 739. 33
ng-term deffered Expenses		4, 261, 160. 73	431, 579. 32	15	30, 898, 798. 98	844, 902. 76
eferred Tax Assets		77, 523, 026. 81	32, 614, 104. 82	16	149, 870, 166. 12	34, 207, 891. 14
ther Non-current Assets				17	292, 874, 023. 00	
Total Non-current Assets		406, 038, 440. 83	290, 924, 182. 50		4, 664, 083, 568. 62	160, 711, 739. 39
Total Assets		29, 055, 368, 731. 99	21, 682, 361, 032. 47		39, 910, 415, 916. 19	26, 573, 071, 992. 52

Representative: Person in Charge of Accounting Function Person in Charge of Accounting Department: 黄志斌

Balance sheet (Continued)

ong Zhenrong Energy Co., Ltd.

Expressed in RMB yuan

Items	Note	The company		Note	Consolidated	
		2013	2012		2013	2012
Liabilities						
rt-term Loans		6, 661, 492, 205. 11	3, 790, 498, 350. 41	19	8, 016, 821, 888. 66	5, 089, 397, 595. 92
de Financial Libilities						
s Payable		4, 388, 797, 177. 59	4, 113, 971, 974. 57	20	4, 626, 996, 185. 00	4, 190, 971, 974. 57
counts Payable		13, 130, 933, 351. 53	10, 550, 925, 808. 98	21	18, 118, 670, 517. 69	11, 666, 586, 351. 35
vances from Customers		2, 095, 852, 455. 06	813, 034, 990. 48	22	4, 003, 735, 301. 73	2, 966, 995, 019. 23
ployee Compensation Payable		33, 141, 701. 02	32, 225, 163. 52	23	43, 977, 548. 27	38, 332, 984. 22
xes and Surcharges Payable		76, 652, 290. 71	72, 050, 574. 99	24	182, 143, 218. 15	115, 389, 503. 61
erests Payable		47, 828, 301. 41	13, 171, 508. 39	25	48, 408, 919. 84	16, 187, 033. 96
idens Payable		9, 262, 925. 78		26	9, 262, 925. 78	
her Payable		919, 687, 022. 74	1, 489, 014, 716. 58	27	1, 500, 896, 829. 24	1, 507, 601, 358. 14
n-current Liabilities due within One Year						
her Current Liabilities						
Total Current Liabilities		27, 363, 647, 430. 95	20, 874, 893, 087. 92		36, 550, 913, 334. 36	25, 591, 461, 821. 00
erm Liabilities						
ng-term Loans		1, 197, 973, 079. 61	440, 260, 295. 35	28	2, 229, 563, 079. 61	440, 260, 295. 35
nds Payable						
ng-term Payable						
ecial Payable						
ovisions						
eferred Tax Liabilities				16	182, 654, 402. 76	
her Non-current Liabilities						
Total Non-current Liabilities		1, 197, 973, 079. 61	440, 260, 295. 35		2, 412, 217, 482. 37	440, 260, 295. 35
Total Liabilities		28, 561, 620, 510. 56	21, 315, 153, 383. 27		38, 963, 130, 816. 73	26, 031, 722, 116. 35
olders' Equity						
are Capital		388, 000, 000. 00	198, 788, 421. 41	29	388, 000, 000. 00	198, 788, 421. 41
apital Reserve		39, 012, 278. 45	39, 012, 278. 45	30	39, 087, 090. 87	39, 012, 278. 45
ss: Teasury Stock						
ecial Reserve						
rplus Reserve		60, 674, 988. 78	47, 215, 796. 84	31	60, 674, 988. 78	47, 215, 796. 84
stributed Profit		6, 060, 954. 20	82, 191, 152. 50	32	272, 038, 393. 24	197, 262, 925. 78
reign Currency Translation Differences					2, 314, 746. 75	
Attributable to the Parent Company		493, 748, 221. 43	367, 207, 649. 20		762, 115, 219. 64	482, 279, 422. 48
nority Interest					185, 169, 879. 82	59, 070, 453. 69
Total Shareholders' Equity		493, 748, 221. 43	367, 207, 649. 20		947, 285, 099. 46	541, 349, 876. 17
iabilities & Shareholders' Equity		29, 055, 368, 731. 99	21, 682, 361, 032. 47		39, 910, 415, 916. 19	26, 573, 071, 992. 52

epresentative: Person in Charge of Accounting Function Person in Charge of Accounting Department: 黄志添

Income statement

For the year ended 31 December 2013

uangdong Zhenrong Energy Co., Ltd.

Expressed in RMB yuan

Items	Note	The company		Note	Consolidated	
		2013	2012		2013	2012
otal Operating Income		65, 504, 411, 337. 92	28, 642, 539, 503. 19		97, 835, 306, 836. 95	48, 439, 049, 946. 94
Inc: Operating Income	d	65, 504, 411, 337. 92	28, 642, 539, 503. 19	33	97, 835, 306, 836. 95	48, 439, 049, 946. 94
ΔInterest Revenue						
otal Operating Cost		65, 411, 652, 199. 44	28, 521, 260, 481. 93		97, 498, 927, 129. 11	48, 172, 739, 351. 58
Inc: Operating Cost	d	64, 917, 793, 569. 89	28, 148, 602, 865. 38	33	96, 837, 992, 741. 66	47, 732, 565, 868. 66
Business taxes and surcharges		4, 504, 475. 39	17, 301, 319. 34		8, 134, 373. 97	19, 122, 901. 11
Selling Expenses		68, 903, 149. 61	32, 958, 848. 96		94, 954, 582. 98	62, 846, 551. 55
General and Administrative Expenses		116, 664, 120. 98	96, 995, 525. 44		195, 809, 389. 73	122, 062, 764. 36
Financial (Income)/Expenses		110, 487, 080. 61	167, 141, 383. 05		161, 375, 941. 00	174, 971, 596. 94
Impairment Losses		193, 299, 802. 96	58, 260, 539. 76	34	200, 660, 099. 77	61, 169, 668. 96
Add: Gains/Losses from Change in Fair Value				35	-158, 800. 00	-8, 870. 00
Investment income("-" for loss)	e	70, 711, 186. 32	1, 979, 976. 12	36	61, 038, 176. 35	3, 057, 332. 60
Operating Profit("-" for loss)		163, 470, 324. 80	123, 258, 997. 38		397, 259, 084. 19	269, 359, 057. 96
Plus:Non-operating Income		19, 282, 611. 17	18, 924, 410. 91	37	27, 109, 702. 72	23, 970, 992. 41
Less:Non-operating expenses		2, 885, 033. 14	908, 036. 48	38	3, 456, 076. 63	1, 026, 715. 82
Including: Losses from the disposal of non-current assets		66, 894. 48	978. 40		66, 894. 48	978. 40
Profit before Income Taxes ("-" for loss)		179, 867, 902. 83	141, 275, 371. 81		420, 912, 710. 28	292, 303, 334. 55
Less: Income Tax		45, 275, 983. 41	37, 062, 029. 88	39	104, 733, 395. 45	70, 710, 667. 76
Net Profit ("-" for loss)		134, 591, 919. 42	104, 213, 341. 93		316, 179, 314. 83	221, 592, 666. 79
Attributable to the Shareholder of the Company		134, 591, 919. 42	104, 213, 341. 93		285, 497, 585. 18	207, 684, 259. 97
*Minority Interest					30, 681, 729. 65	13, 908, 406. 82
Earnings Per Share						
Basic Earning Per Share						
Diluted Earning Per Share						
Other Comprehensive Income				40	2, 274, 577. 25	
Accumulated Other Comprehensive Income		134, 591, 919. 42	104, 213, 341. 93		318, 453, 892. 08	221, 592, 666. 79
Attributable to the Shareholder of the Company					287, 772, 162. 43	207, 684, 259. 97
Attributable to Minority Interest					30, 681, 729. 65	13, 908, 406. 82

Legal Representative: Person in Charge of Accounting Function Person in Charge of Accounting Department: 黄志斌

Cash Flow Statement

For the year ended 31 December 2013

ng Zhenrong Energy Co., Ltd.

Expressed in RMB yuan

Items	The Company			Consolidated		
	Note	2013	2012	Note	2013	2012
from Operating Activities						
h Received from Sale of Goods and Rendering of ices		67,375,079,103.44	26,051,626,149.85		143,930,940,868.18	51,381,350,006.40
nd of Taxes						
r Cash Received relating to the operating activities		1,408,001,793.97	274,681,517.13		353,053,837.16	347,384,251.64
otal Cash Inflow from Operating Activities		68,783,080,897.41	26,326,307,666.98		144,283,994,705.34	51,728,734,258.04
h Paid for Goods and Services		66,319,406,843.13	24,258,445,393.39		142,050,432,135.79	48,788,600,361.23
h Paid to and on Behalf of Employees		59,273,794.50	50,518,724.67		83,638,482.42	60,777,280.42
h Paid for all Types of Taxes		137,751,140.39	111,903,612.01		202,878,216.11	141,009,825.80
r Cash Paid relating to the operating activities		1,797,879,614.15	1,458,133,485.92		674,405,704.94	379,901,872.58
otal Cash Outflow for Operating Activities		68,314,311,392.17	25,879,001,215.99		143,011,354,539.26	49,370,289,340.03
Net Cash Flow from Operating Activities		468,769,505.24	447,306,450.99		1,272,640,166.08	2,358,444,918.01
w from Investing Activities						
h Received from Disposal of Investments		283,128,077.04			283,128,077.04	
h Received from Return on Investments		16,358,004.56			16,642,487.74	
h Received from Disposal of Fixed Assets, Intangible ets and Other Long-term Assets		61,947.85	1,457,655.62		441,595.85	1,457,655.62
Cash Inflows of Disposal of Subsidiaries and Other iness Entities						
r Cash Received relating to Investing Activities					24,856,720.93	291,749,953.17
Total Cash Inflow from Investing Activities		299,548,029.45	1,457,655.62		325,068,881.56	293,207,608.79
h Paid for Acquisition of Fixed Assets, Intangible ets and Other Long-term Assets		10,229,817.88	3,499,973.38		168,979,787.09	3,855,634.41
h Paid for Acquisition of Investments		2,586,012,488.10	201,100,000.00		2,657,917,981.70	169,405,828.80
h Paid for Acquisition of Subsidiaries and Other ness Entities					2,336,211,089.00	
r Cash paid relating to Investing Activities						36,258,215.00
Total Cash Outflow for Investing Activities		2,596,242,305.98	204,599,973.38		5,163,108,857.79	209,519,678.21
Net Cash Flow From Investing Activities		-2,296,694,276.53	-203,142,317.76		-4,838,039,976.23	83,687,930.58
s from Financing Activities						
Received from Investors		1,211,578.59	19,744,846.37		50,090,150.59	25,144,846.37
Inc: Cash Received from the investment of minority interest by subsidiaries						
Received from Borrowing		12,416,594,957.15	6,480,466,149.94		13,587,988,181.22	9,298,522,105.19
Cash Received relating to the Financing activities					1,000,000.00	
Total Cash Inflow from Financing Activities		12,417,806,535.74	6,500,210,996.31		13,639,078,331.81	9,323,666,951.56
Repayments of Borrowings		8,787,888,318.19	5,384,973,075.99		9,925,131,104.22	7,587,479,420.80
Paid for Dividends, Profits Distribution or Interest		194,960,786.50	205,107,898.56		214,650,412.49	230,439,108.28
Inc: Cash paid for the Dividends, Profits Distribution or Interest of minority interest by subsidiaries						
Cash Paid relating to the Financing activities					1,000,000.00	
Total Cash Outflow for Financing Activities		8,982,849,104.69	5,590,080,974.55		10,140,781,516.71	7,817,918,529.08
Net Cash Flow from Financing Activities		3,434,957,431.05	910,130,021.76		3,498,296,815.10	1,505,748,422.48
Exchange Rate Changes on Cash and Cash nts					3,124,210.00	
(Decrease) in Cash and Cash Equivalents		1,607,032,659.76	1,154,294,154.99		-63,978,785.05	3,947,881,271.07
Cash and Cash Equivalents at The Beginning of The		4,291,611,247.65	3,137,317,092.66		7,523,497,590.80	3,575,616,319.73
Cash Equivalents at The End of The Year		5,898,643,907.41	4,291,611,247.65		7,459,518,805.75	7,523,497,590.80

resentative: Person in Charge of Accounting Function Person in Charge of Accounting Department:

公　证　书

（2015）粤广白云第3569号

申请人：广东振戎能源有限公司，营业执照注册号：440000000053809，住所：广州市天河区珠江新城华夏路8号合景国际金融广场第35层，法定代表人：熊韶辉，男，于一九六六年六月一日出生，公民身份号码：440111196606010355，住北京市。

委托代理人：刘熠，女，于一九八九年四月三日出生，公民身份号码：500234198904030026，住广州市。

公证事项：影印本与原本相符

兹证明前面的影印本与广东振戎能源有限公司的委托代理人刘熠出示给本公证员的《审计报告》及其附件的原本相符。前面的影印本所附的英文译本内容与中文原本内容相符。

中华人民共和国广东省广州市白云公证处

公证员：林志辉

广东省广州市白云公证处

二〇一五年四月十七日

I62646086

NOTARIAL CERTIFICATE

(2015)YGBY,No.3569

Applicant:GUANGDONG ZHEN RONG ENERGY CO., LTD, Registered No.: 440000000053809, Address: 35 Floor, Hejing International Finance Place, No.8 Huaxia Road, Zhujiang New Town, Tianhe District, Guangzhou City.

Legal Representative: XIONG SHAOHUI, male, born on June 1,1966, ID.No.: 440111196606010355, now residing in Beijing City.

Authorized Agent: LIU YI, female, born on April 3,1989, ID.No.:500234198904030026, now residing in Guangzhou City.

Issue under notarization: true and exact copy

This is to certify that the foregoing copy conforms to the original INDEPENDENT AUDITORS' REPORT (English Translation) showed by LIU YI (Authorized Agent of GUANGDONG ZHEN RONG ENERGY CO., LTD) to me, the notary public,and that the attached English translation of the copy conforms to the original document in Chinese.

Notary: LIN ZHIHUI

Baiyun Notary Public Office

Guangzhou City, Guangdong Province

The People's Republic of China

April 17, 2015

I 62646087

认字第150136286-001号

兹证明前面文书上公证处的印章和公证员**林志辉**的签名（印章）属实。

中华人民共和国外交部
领事司 一 等秘书
二〇一五年四月二十九日

中华人民共和国外交部领事司

4384843

EMBASSY OF THE REPUBLIC OF THE UNION OF MYANMAR
BEIJING

Legalization No. 385

This is to certify the genuine seal of the Ministry of Foreign Affairs of the People's Republic of China and signature of Mr. Peng Haiqiu, 1st Secretary of Consular Dept.

Dated: 22 MAY 2015

Consular Officer

The Embassy assumes no responsibility on the content of the document

EMBASSY OF THE REPUBLIC OF THE UNION OF MYANMAR
012
BEIJING

150136275-001 1/1 ②
缅甸 E D C
2015/06/12

公 证 书

中华人民共和国广东省广州市白云公证处

Baiyun Notary Public Office, Guangzhou City, Guangdong Province, P. R. China

ICBC 中国工商银行

资信证明书（正本）
Certificate of Creditworthiness (original)

编号：粤B00081655

日期：Date: 2015/ 03/ 25/

致：缅甸投资委员会
To Myanmar Investment Commission

广东振戎能源有限公司委托我行对其在我行的存款状况开立证明书。经确认，截至2013年06月30日（即该日我行营业终了结账时），该单位在我行账户本外币存款余额如下：

GUANGDONG ZHEN RONG ENERGY CO.,LTD requests us to issue a certificate as to the accounts it has opened at our bank.Upon verification,we confirm that the deposit balances in the accounts of the Unit at our bank as of June 30th, 2013 (at the close of business of our bank on the date) is as follows:

银行账号 Account No	账户性质 Account Kind	币种 Currency	余额 Balance	备注 Remarks
2002021719100056776	一般结算户	人民币(本位币)	242,092,971.14	2002021714100006868 余额EUR150215029.45

仅此证明，下无正文。
It is hereby certified. There is no body text below.

200×270mm

银行签章
Bank's Seal

验证码：【6E8B26 D91020】 业务专用章 (00)

有权签字人
Authorized Signature ____________

提示：阅读本证明书时请同时阅知证明书背面"声明"。
Note: Please read this certificate in conjunction with "Statement" on the back of the certificate.

ICBC

Certificate of Creditworthiness (original)

(Translation)

No.:YB00081655
Date: March 25, 2015

To Myanmar Investment Commission

GUANGDONG ZHEN RONG ENERGY CO., LTD requests us to issue a certificate as to the accounts it has opened at our bank. Upon verification, we confirm that the deposit balances in the accounts of the Unit at our bank as of June 30th, 2013 (at the close of business of our bank on the date) is as follows:

Account No.	Account Kind	Currency	Balance	Remarks
2002021719100056776	General Settlement Account	CNY	242,092,971.14	2002021714100006868 Balance EUR150215029.45

It is hereby certified. There is no body text below.

Bank's Seal: Zhuhai Tang Jia Branch of Industrial and Commercial Bank of China Ltd.
Verification Code: 【6E8B26D91020】
Authorized Signature: PENG GUANGBIN (Stamp Signature)

Note: Please read this certificate in conjunction with "Statement" on the back of the certificate.

Statement

1. This certificate is non-transferable and cannot be used as a document of guarantee or financing.
2. The person to be certified confirms that this certificate is correct in all respects and consents to our issuing this certificate.
3. All balances stated in this certificate are the book balances as of the time and date of this certificate and do not include any accounts in transit.
4. This certificate is to be used solely to certify the above business facts at our bank, and shall not be interpreted as an expression of our express or implied opinions as to the other business conditions or the overall business situation of the certified t\person, no matter whether the opinion benefits the certified person or not. We shall not be legally liable for any economical consequences arising out.
5. The Chinese version of this certificate shall control, and the English version thereof is for reference only.
6. This certificate is made in one original and one duplicate. Both are equally authentic. The original shall be delivered to the addressee. Altered certificates or photocopies thereof are invalid. The duplicate shall be retained at our bank.
7. This certificate shall become effective as of the date it is signed and sealed.

公 证 书

(2015)粤广白云第4163号

申请人：广东振戎能源有限公司,营业执照注册号：440000000053809，住所：广州市天河区珠江新城华夏路8号合景国际金融广场第35层，法定代表人：熊韶辉，男，于一九六六年六月一日出生，公民身份号码：440111196606010355，住北京市。

委托代理人：刘熠，女，于一九八九年四月三日出生，公民身份号码：500234198904030026，住广州市。

公证事项：影印本与原本相符

兹证明前面的影印本与广东振戎能源有限公司的委托代理人刘熠出示给本公证员的《资信证明书（正本）》的原本相符。前面的影印本所附的英文译本内容与中文原本内容相符。

中华人民共和国广东省广州市白云公证处

公证员：林志辉

二〇一五年四月二十日

广东省广州市白云公证处

II62646116

NOTARIAL CERTIFICATE

(2015)YGBY,No.4163

Applicant: GUANGDONG ZHEN RONG ENERGY CO., LTD, Registered No.: 440000000053809, Address: 35 Floor, Hejing International Finance Place, No.8 Huaxia Road, Zhujiang New Town, Tianhe District, Guangzhou City.

Legal Representative: XIONG SHAOHUI, male, born on June 1,1966, ID.No.: 440111196606010355, now residing in Beijing City.

Authorized Agent: LIU YI, female, born on April 3,1989, ID.No.:500234198904030026, now residing in Guangzhou City.

Issue under notarization: true and exact copy

This is to certify that the foregoing copy conforms to the original Certificate of Creditworthiness (original) showed by LIU YI (Authorized Agent of GUANGDONG ZHEN RONG ENERGY CO., LTD) to me, the notary public,and that the attached English translation of the copy conforms to the original document in Chinese.

Notary: LIN ZHIHUI

Baiyun Notary Public Office

Guangzhou City, Guangdong Province

The People's Republic of China

April 20, 2015

I I 62646117

认字第150136275-001号

兹证明前面文书上公证处的印章和公证员**林志辉**的签名（印章）属实。

中华人民共和国外交部
领事司 一 等秘书
二〇一五年四月二十九日

4384847

EMBASSY OF THE REPUBLIC OF THE UNION OF MYANMAR
BEIJING

Legalization No. 383

This is to certify the genuine seal of the Ministry of Foreign Affairs of the People's Republic of China and signature of Mr. Peng Haiqiu, 1st Secretary of Consular Dept.

Dated: 22 MAY 2015

Consular Officer

22.5.2015

The Embassy assumes no responsibility on the content of the document

EMBASSY OF THE REPUBLIC OF THE UNION OF MYANMAR 012 BEIJING

150136278-001 1/1 ②
缅甸 E D C
2015/06/12

公 证 书

中华人民共和国广东省广州市白云公证处
Baiyun Notary Public Office, Guangzhou City, Guangdong Province, P. R. China

ICBC 中国工商银行

资信证明书（正本）

Certificate of Creditworthiness (original)

编号：粤B00081656

日期：Date: 2015/ 03/ 25/

致：国家规划与经济发展部公司投资与管理处
To DCIA, Ministry of National Planning

广东振戎能源有限公司委托我行对其在我行的存款状况开立证明书。经确认，截至2013年06月30日（即该日我行营业终了结账时），该单位在我行账户本外币存款余额如下：

GUANGDONG ZHEN RONG ENERGY CO.,LTD requests us to issue a certificate as to the accounts it has opened at our bank.Upon verification,we confirm that the deposit balances in the accounts of the Unit at our bank as of June 30th, 2013 (at the close of business of our bank on the date) is as follows:

银行账号 Account No	账户性质 Account Kind	币种 Currency	余额 Balance	备注 Remarks
2002021719100056776	一般结算户	人民币(本位币)	242,092,971.14	2002021714100006868 余额CUR150215029.45

200×270mm

仅此证明，下无正文。
It is hereby certified. There is no body text below.

银行签章
Bank's Seal

中国工商银行股份有限公司珠海...分行
验证码：【11C B5 4 7E F 020】
业务专用章
(00)

有权签字人
Authorized Signature ________________

提示：阅读本证明书时请同时阅知证明书背面“声明”。
Note: Please read this certificate in conjunction with "Statement" on the back of the certificate.

ICBC

Certificate of Creditworthiness (original)

(Translation)

No.:YB00081656
Date: March 25, 2015

To DCIA, Ministry of National Planning

GUANGDONG ZHEN RONG ENERGY CO., LTD requests us to issue a certificate as to the accounts it has opened at our bank. Upon verification, we confirm that the deposit balances in the accounts of the Unit at our bank as of June 30th, 2013 (at the close of business of our bank on the date) is as follows:

Account No.	Account Kind	Currency	Balance	Remarks
2002021719100056776	General Settlement Account	CNY	242,092,971.14	2002021714100006868 Balance EUR150215029.45

It is hereby certified. There is no body text below.

Bank's Seal: Zhuhai Tang Jia Branch of Industrial and Commercial Bank of China Ltd.
Verification Code: 【11CB547EF020】
Authorized Signature: PENG GUANGBIN (Stamp Signature)

Note: Please read this certificate in conjunction with "Statement" on the back of the certificate.

Statement

1. This certificate is non-transferable and cannot be used as a document of guarantee or financing.
2. The person to be certified confirms that this certificate is correct in all respects and consents to our issuing this certificate.
3. All balances stated in this certificate are the book balances as of the time and date of this certificate and do not include any accounts in transit.
4. This certificate is to be used solely to certify the above business facts at our bank, and shall not be interpreted as an expression of our express or implied opinions as to the other business conditions or the overall business situation of the certified t\person, no matter whether the opinion benefits the certified person or not. We shall not be legally liable for any economical consequences arising out.
5. The Chinese version of this certificate shall control, and the English version thereof is for reference only.
6. This certificate is made in one original and one duplicate. Both are equally authentic. The original shall be delivered to the addressee. Altered certificates or photocopies thereof are invalid. The duplicate shall be retained at our bank.
7. This certificate shall become effective as of the date it is signed and sealed.

公 证 书

(2015)粤广白云第3565号

申请人：广东振戎能源有限公司,营业执照注册号：440000000053809，住所：广州市天河区珠江新城华夏路8号合景国际金融广场第35层，法定代表人：熊韶辉，男，于一九六六年六月一日出生，公民身份号码：440111196606010355，住北京市。

委托代理人：刘熠，女，于一九八九年四月三日出生，公民身份号码：500234198904030026，住广州市。

公证事项：影印本与原本相符

兹证明前面的影印本与广东振戎能源有限公司的委托代理人刘熠出示给本公证员的《资信证明书（正本）》的原本相符。前面的影印本所附的英文译本内容与中文原本内容相符。

中华人民共和国广东省广州市白云公证处

公证员：林志辉

广东省广州市白云公证处

二〇一五年四月十七日

II62646076

NOTARIAL CERTIFICATE

(2015)YGBY,No.3565

Applicant:GUANGDONG ZHEN RONG ENERGY CO., LTD, Registered No.: 440000000053809, Address: 35 Floor, Hejing International Finance Place, No.8 Huaxia Road, Zhujiang New Town, Tianhe District, Guangzhou City.

Legal Representative: XIONG SHAOHUI, male, born on June 1,1966, ID.No.: 440111196606010355, now residing in Beijing City.

Authorized Agent: LIU YI, female, born on April 3,1989, ID.No.:500234198904030026, now residing in Guangzhou City.

Issue under notarization: true and exact copy

This is to certify that the foregoing copy conforms to the original Certificate of Creditworthiness (original) showed by LIU YI (Authorized Agent of GUANGDONG ZHEN RONG ENERGY CO., LTD) to me, the notary public,and that the attached English translation of the copy conforms to the original document in Chinese.

Notary: LIN ZHIHUI

Baiyun Notary Public Office

Guangzhou City, Guangdong Province

The People's Republic of China

April 17, 2015

I62646077

认字第150136278-001号

兹证明前面文书上公证处的印章和公证员**林志辉**的签名（印章）属实。

中华人民共和国外交部
领事司 一 等秘书
二〇一五年四月二十九日

中华人民共和国外交部领事司

4384846

EMBASSY OF THE REPUBLIC OF THE UNION OF MYANMAR
BEIJING

Legalization No. 381

This is to certify the genuine seal of the Ministry of Foreign Affairs of the People's Republic of China and signature of Mr. Peng Haiqiu, 1st Secretary of Consular Dept.

Dated: 22 MAY 2015

22.5.2015
Consular Officer

The Embassy assumes no responsibility on the content of the document

EMBASSY OF THE REPUBLIC OF THE UNION OF MYANMAR
012
BEIJING

MINISTRY OF NATIONAL PLANNING AND ECONOMIC DEVELOPMENT
COMPANIES REGISTRATION OFFICE

သက်တမ်းတိုး

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
အမျိုးသားစီမံကိန်းနှင့် စီးပွားရေးဖွံ့ဖြိုးတိုးတက်မှုဝန်ကြီးဌာန

ကုမ္ပဏီမှတ်ပုံတင်လက်မှတ်

အမှတ် ..၂၈........../ ၁၉၉၀–၁၉၉၁

မြန်မာနိုင်ငံ ကုမ္ပဏီများ အက်ဥပဒေအရ .မြန်မာ့ စီးပွားရေးဦးပိုင် လီမိတက်.. အား ပေးရန်တာဝန် ကန့်သတ်ထားသော လီမိတက် ကုမ္ပဏီအဖြစ်၁၉၉၀....နှစ်၊ ...ဧပြီ......လ၊ ၂၇..ရက်နေ့တွင် မှတ်ပုံတင်ခွင့်ပြုလိုက်သည်။

(အေးကို)
ညွှန်ကြားရေးမှူးချုပ်
ရင်းနှီးမြှုပ်နှံမှုနှင့် ကုမ္ပဏီများ ညွှန်ကြားမှု ဦးစီးဌာန
ကုမ္ပဏီများမှတ်ပုံတင်အရာရှိ
ကုမ္ပဏီများမှတ်ပုံတင်ရုံး

THE GOVERNMENT OF THE REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF NATIONAL PLANNING AND ECONOMIC DEVELOPMENT

CERTIFICATE OF INCORPORATION

NO. ....28.................. of 1990-1991

I hereby certify that .....MYANMA ECONOMIC HOLDINGS.................. ....LIMITED..is this day incorporated under the Myanmar Companies Act and that the company is Limited.

Given under my hand at Nay Pyi Taw this .....TWENTY - SEVENTH......day of ......APRIL, ONE THOUSAND NINE HUNDRED AND NINETY..............

(AYE KO)
DIRECTOR GENERAL
Directorate of Investment and Company Administration
Registrar of Joint Stock Companies
Companies Registration Office

Annex-1-3-2-MEHL –Board Resolution-**To be provided**

Annex-1-3-3-MEHL -Power of Attorney-**To be provided**

Annex-1-3-4-MEHL- National Identification Card-**To be provided**

MEHL Balance Sheet as at (31.3.2010)

(In Millions)

No	Particular	MEHL			
		Kyats	USD	Euro	Total Kyats
1.	**Assets**				
(i)	Fixed Assets	2.795	1.299	7,308.506	7,336.066
(ii)	Investment in Companies	12.679	92.952	145,693.673	146,367.143
(iii)	**Current Assets**				
	(1) Debtors, Debit	10.817	15.320	42,953.451	43,123.397
	(2) Cash at Bank	5.163	15.054	27,718.394	27,840.724
	Total Assets	31.454	124.625	223,674.024	224,667.330
2.	**Capital & Liabilities**				
(i)	Capital				
(ii)	Remain before Profits Sharing & Fund	-	-	61,867.819	61,867.819
(iii)	Current Liabilities	18.197	103.765	61,718.122	62,490.481
	(Creditors and Advanced Credit)	13.257	20.860	100,088.083	100,309.030
	Total Liabilities				
		31.454	124.625	223,674.024	224,667.330

MEHL

Lt. Co. Than Win (Rtd)
Director (Finance)
MEHL

MEHL Balance Sheet as at (31.3.2011)

(In Millions)

No	Particular	MEHL			
		Kyats	USD	Euro	Total Kyats
1.	**Assets**				
(i)	Fixed Assets	2.795	1.299	10,085.110	10,112.670
(ii)	Investment in Companies	13.908	91.080	199,702.997	200,370.838
(iii)	**Current Assets**				
	(1) Debtors, Debit	17.242	20.692	44,320.094	44,566.986
	(2) Cash at Bank	1.400	7.127	53,574.651	53,623.878
	Total Assets	35.345	120.198	307,682.852	308,674.372
2.	**Capital & Liabilities**				
(i)	Capital	-	-	74,854.607	74,854.607
(ii)	Remain before Profits Sharing & Fund	22.001	106.655	107,518.879	108,330.239
(iii)	Current Liabilities (Creditors and Advanced Credit)	13.344	13.543	125,309.366	125,489.526
	Total Liabilities	35.345	120.198	307,682.852	308,674.372

[signature]

Lt. Co. Than Win (Rtd)
Director (Finance)
MEHL

MEHL Balance Sheet as at (31.3.2012)

(In Millions)

No	Particular	MEHL			
		Kyats	USD	Euro	Total Kyats
1.	**Assets**				
(i)	Fixed Assets	24,803.843	1.299	5.197	24,849.182
(ii)	Investment in Companies	226,529.512	148.683	15.322	227,524.135
(iii)	**Current Assets**				
	(1) Debtors, Debit	74,756.856	14.863	24.988	75,028.060
	(2) Cash at Bank	58,753.059	10.627	6.114	58,855.798
	Total Assets	384,843.270	175.472	51.621	386,257.175
2.	**Capital & Liabilities**				
(i)	Capital	83,140.540	-	-	83,140.540
(ii)	Remain before Profits Sharing & Fund	150,105.003	119.443	33.153	151,061.481
(iii)	Current Liabilities (Creditors and Advanced Credit)	151,597.727	56.029	18.468	152,055.154
	Total Liabilities	384,843.270	175.472	51.621	386,257.175

MEHL

Lt. Co. Than Win (Rtd)
Director (Finance)
MEHL

LKST/U Pai-Yar Pyae LKST 2012

[redacted]

MYANMA INVESTMENT AND COMMERCIAL BANK
B A N K   S T A T E M E N T

Account No: FUT100025
Name of Account: MYANMAR ECONOMIC HOLDINGS LTD
Address: NO.189/191,MAHABANDOOLA RD,BOTATAUNG PO11161,YANGON,UNION OF MYANMAR.

Bank Statement for the month of : From 01/08/2012 To 31/08/2012

Date	Particular	Chq; No.	C/T/L	CUR	Debit	Credit	Balance
	BALANCE FORWARD			EUR			12,839,412.[illegible]
03/08/2012			TRF	EUR		1,224,414.76	14,063,8[illegible]
22/08/2012			TRF	EUR		226,720.19	14,290,55[illegible]
24/08/2012			TRF	EUR		117,345.75	14,407,899.[illegible]
24/08/2012			TRF	EUR		10,246.70	14,418,145.7[illegible]
	Grand Total				0.00	1,578,727.40	

Unless the Bank is immediately notified of any discrepancy found in the statement of account, it will be taken that the account has been found to be correct.

TRANSACTION CODE

CSH = CASH
TRF = TRANSFER
CLG = CLEARING
Number Of Debit =0
Number Of Credit =4

MANAGER

ASST: MANAGER

Page No:

MYANMA INVESTMENT AND COMMERCIAL BANK

B A N K   S T A T E M E N T

Account No: FDU100003

Name of Account: MYANMAR ECONOMIC HOLDINGS LTD

Address: MAW KUN DAIK,DAGON TSP,

Bank Statement for the month of : From 01/08/2012 To 31/08/2012

Date	Particular	Chq: No.	C/T/L	CUR	Debit	Credit	Balance
	BALANCE FORWARD			USD			11,198,140.61
06/08/2012	-	L	CSH	FEC		3,250.00	11,201,390.61
08/08/2012	-	L	TRF	USD	2.00		11,201,388.61
08/08/2012	-	L	TRF	USD	85,000.00		11,116,388.61
09/08/2012	-	L	TRF	USD		118,400.00	11,234,788.61
09/08/2012	-	L	TRF	USD		50,000.00	11,284,788.61
09/08/2012	FEC OTHER	L	CSH	FEC		4,253.00	11,289,041.61
14/08/2012	-	L	TRF	USD		60,000.00	11,349,041.61
15/08/2012	FEC OTHER	L	CSH	FEC		4,000.00	11,353,041.61
20/08/2012	-	L	TRF	FEC	1.14		11,353,040.47
20/08/2012	-	L	TRF	USD	1.14		11,353,039.33
20/08/2012	-	L	CSH	FEC	33.00		11,353,006.33
20/08/2012	-	L	CSH	USD	250.00		11,352,756.33
24/08/2012	FEC OTHER	L	CSH	FEC		1,184.00	11,353,940.33
27/08/2012			TRF	USD		17,000.00	11,370,940.33
27/08/2012		L	TRF	USD	11.39		11,370,928.94
28/08/2012	-	L	TRF	USD		110,400.00	11,481,328.94
30/08/2012	-	L	TRF	USD		50,000.00	11,531,328.94
30/08/2012	-	L	TRF	USD		21,228.94	11,552,557.88
	Grand Total				85,298.67	439,715.94	

Unless the Bank is immediately notified of any discrepancy found in the statement of account, it will be taken that the account has been found to be correct.

TRANSACTION CODE

CSH : CASH

T : TRANSFER

CLG : CLEARING

Number Of Debit :7

Number Of Credit :11

MANAGER

ASST: MANAGER

Page No:

Account No: 1EA0400267
Name of Account: THE UNION OF MYR; ECONOMIC HOLDINGS LTD
Address: 189-191, MAHABANDOOLA RD,BOTAHTAUNG

Bank Statement for the month of : From 01/08/2012 To 31/08/2012

Date	Particular	Chq; No.	C/T/L	CUR	Debit	Credit	Balance
	BALANCE FORWARD			EUR			752,260.61
23/08/2012	MF320JP20034		TRF	EUR		30.60	752,291.21
	Grand Total				0.00	30.60	

Unless the Bank is immediately notified of any discrepancy found in the statement of account, it will be taken that the account has been found to be correct.

TRANSACTION CODE

CSH = CASH
TRF = TRANSFER
CLG = CLEARING.
Number Of Debit =0
Number Of Credit =1

MANAGER

4·9·12

Asstt Manager
Current Account Section
Myanma Foreign Trade Bank

MYANMA FOREIGN TRADE BANK
BANK STATEMENT

Account No: 1DA0492119
Name of Account: UNION OF MYR ECO HOLD LTD
Address:

Bank Statement for the month of : From 01/08/2012 To 31/08/2012

Date	Particular	Chq; No.	C/T/L	CUR	Debit	Credit	Balance
	BALANCE FORWARD			USD			3,715,539.72
01/08/2012	FR 2018		TRF	USD		1,000.00	3,716,539.72
01/08/2012	FR 2019		TRF	USD		9,000.00	3,725,539.72
06/08/2012	T PO	L	TRF	USD	1.14		3,725,538.58
06/08/2012	TO 1PO	L	TRF	USD	764,420.00		2,961,118.58
10/08/2012	P2012T/1737	L	TRF	USD	422.05		2,960,696.53
10/08/2012	P2012T/1737	L	TRF	USD	337,642.74		2,623,053.79
15/08/2012	FR1DA0498495		TRF	USD		50,000.00	2,673,053.79
20/08/2012	TO PO	L	TRF	USD	1.14		2,673,052.65
20/08/2012	TO 1PO	L	TRF	USD	555.00		2,672,497.65
28/08/2012	FR1DA0400716		TRF	USD		100,000.00	2,772,497.65
28/08/2012	TO PO	L	TRF	USD	1.14		2,772,496.51
28/08/2012	TO PO	L	TRF	USD	1.14		2,772,495.37
28/08/2012	TO PO	L	TRF	USD	4,965.10		2,767,530.27
28/08/2012	TO 1PO	L	TRF	USD	15,000.00		2,752,530.27
	Grand Total				1,123,009.45	160,000.00	

Unless the Bank is immediately notified of any discrepancy found in the statement of account, it will be taken that the account has been found to be correct.

TRANSACTION CODE

CSH = CASH
TRF = TRANSFER
CLG = CLEARING
Number Of Debit =10
Number Of Credit =4

MANAGER

4.9.12
Asst Manager
Current Account Section
Myanma Foreign Trade Bank

Page No1

008550

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
အမျိုးသားစီမံကိန်းနှင့် စီးပွားရေးဖွံ့ဖြိုးတိုးတက်မှုဝန်ကြီးဌာန

ကုမ္ပဏီမှတ်ပုံတင်လက်မှတ်

အမှတ် ၅၂၂၉ / ၂၀၁၂-၂၀၁၃

မြန်မာနိုင်ငံ ကုမ္ပဏီများ အက်ဥပဒေအရ ရန်ကုန် အင်ဂျင်နီယာ အုပ်စု ကုမ္ပဏီ လီမိတက် အား ပေးရန်တာဝန် ကန့်သတ်ထားသော လီမိတက် ကုမ္ပဏီအဖြစ် ၂၀၁၃ ခုနှစ်၊ မတ် လ၊ ၇ ရက်နေ့တွင် မှတ်ပုံတင်ခွင့်ပြုလိုက်သည်။

ညွှန်ကြားရေးမှူးချုပ် (ကိုယ်စား)
(နန်းရီရီသန်း ၊ ညွှန်ကြားရေးမှူး)
ရင်းနှီးမြှုပ်နှံမှုနှင့်ကုမ္ပဏီများညွှန်ကြားမှုဦးစီးဌာန

THE GOVERNMENT OF THE REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF NATIONAL PLANNING AND ECONOMIC DEVELOPMENT

CERTIFICATE OF INCORPORATION

NO. 5229 of 2012-2013

I hereby certify that YANGON ENGINEERING GROUP COMPANY LIMITED is this day incorporated under the Myanmar Companies Act and that the company is Limited.

Given under my hand at Nay Pyi Taw this SEVENTH day of MARCH, TWO THOUSAND AND THIRTEEN.

For Director General
(Nang Yi Yi Than, Director)
Directorate of Investment and Company Administration

ကုမ္ပဏီနှင့်သက်ဆိုင်သည့်အချက်အလက်များ

(က) အုပ်ချုပ်မှုဒါရိုက်တာအမည်၊ ဦးစိုးမြင့်သန်း ၁၀/မလမ(နိုင်)၁၃၉၀၀၈

(ခ) ကုမ္ပဏီ ရုံးခန်းလိပ်စာ၊ အခန်း(၅၀၃)၊ ကွန်ဒို(အေ)၊ မင်းဓမ္မအိမ်ယာ၊ မရမ်းကုန်းမြို့နယ်၊ ရန်ကုန်မြို့။

(ဂ) ဆက်သွယ်ရန် ဖုန်းနံပါတ်၊ ၀၁-၆၅၅၂၈၇၊ ၀၉-၈၆၀၀၃၀၂

(ဃ) ဒါရိုက်တာများ အမည်စာရင်း- ၁။ ဦးဖြိုးသူဝင်း ၁၂/ကမတ(နိုင်)၀၅၄၈၂၁

မှတ်ချက်။

(၁) ဤကုမ္ပဏီမှတ်ပုံတင်လက်မှတ်သည်မှတ်ပုံတင်ရက်စွဲ(၇-၃-၂၀၁၃)မှ (၆-၃-၂၀၁၈)ရက်နေ့အထိ(၅)နှစ်သက်တမ်းအတွက်သာ ဖြစ်သည်။ သက်တမ်း မကုန်ဆုံးမီ (၃)လအလိုတွင် သက်တမ်းတိုးရန် ရင်းနှီးမြှုပ်နှံမှုနှင့် ကုမ္ပဏီများ ညွှန်ကြားမှု ဦးစီးဌာနသို့ လျှောက်ထား ရမည်။

(၂) ကုမ္ပဏီ အနေဖြင့် သင်းဖွဲ့မှတ်တမ်းတွင်အဆိုပြု တင်ပြထားသော လုပ်ငန်းရည်ရွယ်ချက်များကိုသာ လုပ်ကိုင်ရမည်။

(၃) သင်းဖွဲ့မှတ်တမ်းပါ ရည်ရွယ်ချက်များသည် သက်ဆိုင်ရာ ပြည်ထောင်စုဝန်ကြီးဌာန၏ တည်ဆဲဥပဒေ၊ နည်းဥပဒေ၊ လုပ်ထုံးလုပ်နည်း များနှင့်အညီ ခွင့်ပြုချက် ရရှိမှသာ ဆောင်ရွက်ခွင့် ရှိမည် ဖြစ်ပါသည်။

(၄) လုပ်ငန်းရည်ရွယ်ချက် ပြောင်းလဲ လုပ်ကိုင်လိုပါက ပြောင်းလဲ လုပ်ကိုင်လိုသည့် လုပ်ငန်း ရည်ရွယ်ချက်များအား သင်းဖွဲ့မှတ်တမ်းတွင် ပြင်ဆင်မှတ်ပုံတင်ရန်အတွက် ဒါရိုက်တာအဖွဲ့(BOD)၏ အထူး အစည်းအဝေး ဆုံးဖြတ်ချက် မှတ်တမ်းနှင့်အတူ ရင်းနှီးမြှုပ်နှံမှုနှင့်ကုမ္ပဏီများ ညွှန်ကြားမှု ဦးစီးဌာန သို့ လျှောက်ထား ရမည် ။

ညွှန်ကြားရေးမှူးချုပ် (ကိုယ်စား)
(မြင့်လွင်၊ ဒုတိယညွှန်ကြားရေးမှူး)

HTOO GROUP OF COMPANIES
No.5, Pyay Road, Hlaing Township, Yangon, Myanmar.Tel: (951) 500344, 500355, 502627, 504418
Fax: (951) 502629, 502692, E-mail : htc3@htootrading.com.mm

ဒါရိုက်တာအဖွဲ့ အစည်းအဝေးမှတ်တမ်း

အစည်းအဝေးကျင်းပသည့်နေ့ ။	။၁၄.၀၈.၂၀၁၅	
အစည်းအဝေးကျင်းပသည့်အချိန်။	။နံနက် (၃၀း၀၀)နာရီ	
အစည်းအဝေးကျင်းပသည့်နေရာ။	။ကုမ္ပဏီရုံးခန်း	
	(အမှတ်-(၅)၊ ပြည်လမ်း၊ လှိုင်မြို့နယ်၊ ရန်ကုန်မြို့။)	
အစည်းအဝေးတက်ရောက်ကြသူများ။	၁။ ဦးတေဇ	Managing Director (HGC)
	၂။ဦးသီဟ	Director (HGC)
	၃။ဦးမင်းသိန်း	Director (HGC)
	၄။ဦးပြည့်ဖြိုးတေဇ	Director (HGC)
	၅။ဦးဆန်းဦး	Director (HGC)
	၆။ဦးအောင်လင်းဦး	Director (HGC)
	၇။ဒေါ်ခင်မကြူဖေ	Director (HGC)
	၈။ဦးမင်းဆွေဦး	General Manager (HGC)
	၉။ဦးထူးသက်ထွေး	Chairman (YEG)
	၁၀။ဦးစိုးမြင့်သန်း	Managing Director (YEG)
	၁၁။ဦးသူရိန်တင်ဝင်း	Director (YEG)

HTOO GROUP OF COMPANIES
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အစည်းအဝေးတွင်ဆွေးနွေးမည့်အချက်များ

၁။ တနင်္သာရီတိုင်းဒေသကြီး လောင်းလုံမြို့နယ်တွင် ရေနံချက်စက်ရုံ တည်ဆောက်ရေး စီမံကိန်းကို စွမ်းအင်ဝန်ကြီးဌာန၊ မြန်မာ့စီးပွားရေးဦးပိုင်လီမိတက်၊ GDZR Co., Ltd နှင့် ထူးကုမ္ပဏီများအုပ်စု တို့မှပူးပေါင်း၍ အကောင်အထည်ဖော် ဆောင်ရွက်လျက်ရှိပါသည်။

၂။ MIC ခွင့်ပြုချက်ရရန်အတွက် မိမိတို့ကုမ္ပဏီ(၄)ခုသည် JVA စာချုပ်အား ညှိနှိုင်းဆွေးနွေး ဆောင်ရွက်လျက်ရှိပါသည်။သို့ပါ၍ လုပ်ငန်းများ အချိန်နှင့်တပြေးညီ ဆောင်ရွက်နိုင်ရန်အတွက် ထူးကုမ္ပဏီများအုပ်စု၏ လက်အောက်ခံ ကုမ္ပဏီခွဲဖြစ်သော Yangon Engineering Group Co., Ltd အား အစားထိုးပြောင်းလဲ အသုံးပြုမည့် အကြောင်းအရာများကို ဆွေးနွေးခဲ့ကြပါသည်။

ဆုံးဖြတ်ချက်

၁။ JVA စာချုပ်တွင် ထူးကုမ္ပဏီများအုပ်စု၏ကိုယ်စား Yangon Engineering Group Co., Ltd အမည်ဖြင့် အစားထိုးပြောင်းလဲ အသုံးပြုရန် ဒါရိုက်တာအဖွဲ့ဝင်များ အားလုံးမှ ဆုံးဖြတ်ချက်ချခဲ့ပါသည်။

၂။ ဆက်လက်ဆွေးနွေးရန် မရှိတော့ပါသဖြင့် အစည်းအဝေးကို နေ့လည် (၁၁း၀၀)နာရီတွင် ရုပ်သိမ်းလိုက်ပါသည်။

မှတ်တမ်းပြုစုသူ	မှတ်တမ်းစိစစ်အတည်ပြုသူ
ဦးခင်မောင်ဝင်း	ဦးတေဇ
Manager	Managing Director
Htoo Group of Companies	Htoo Group of Companies

YANGON ENGINEERING GROUP CO.,LTD
YANGON ENGINEERING GROUP COMPANY LIMITED.
No.(503), Condo(A), Mindhama Housing, Mayangone Township, Yangon, Myanmar.
Tel: (951) 655309, 655308 Fax:(951) 655309
E-mail: yangonenggroup@gmail.com

RESOLUTION OF THE BOARD OF DIRECTORS OF YANGON ENGINEERING GROUP COMPANY LIMITED

Pursuant to the Articles of Association of Yangon Engineering Group Company Limited (hereinafter referred to as YEG) and the Laws and Regulations of the Republic of the Union of Myanmar, the following resolution has been unanimously adopted by the undersigned that constitute all the Directors of YEG on October 22, 2015.

Whereas

(1) Guangdong Zhenrong Energy Company Ltd (GDZR), Myanmar Economic Holdings Ltd (MEHL) and Htoo Group of Companies (Htoo) entered into a Memorandum of Understanding (MOU) regarding Development, Operation, and Transfer of Five Milllion Metric Ton per Annum Refinery Plant in Dawei, Tanintharyi region in Myanmar (the Project) on August 24, 2010 and also signed the Extension of the said MOU on April 4, 2011.

(2) GDZR, MEHL and Htoo entered into a Memorandum of Agreement (MOA) regarding the Project on January 26, 2012 at Nay Pyi Taw.

(3) Myanmar Investment Commission issued Notification No. 49/2014, stipulating that construction of various types of refineries shall be permitted only under the condition of the Joint Venture with the Ministry of Energy (MOE).

(4) On August 14, 2015, the Board of Directors of Htoo resolved that Htoo should invest in the Project by the name of YEG which is an affiliated company of Htoo.

It is resolved as follows:

(1) According to MOU, MOA and Notification No. 49/2014, YEG will invest in the Project in Myanmar in accordance with Foreign Investment Law and other relevant Laws and Regulations of Myanmar, and YEG may execute for the purpose of the Project.

(2) According to MOU, MOA and Notification No. 49/2014, YEG will establish a Joint Venture Company with MOE, GDZR, and MEHL in Myanmar in accordance with

YANGON ENGINEERING GROUP CO.,LTD

YANGON ENGINEERING GROUP COMPANY LIMITED.
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E-mail: yangonenggroup@gmail.com

Foreign Investment Law and other relevant Laws and Regulations of Myanmar, so as to develop and operate the Project.

In witness whereof, this resolution is adopted by the Board of Directors of YEG on the date first written above.

(U Soe Myint Than)	(U Thuyain Tin Win)
Managing Director	Director
10/Ma La Ma (Naing) 139008	9/Kha Ah Za (Naing) 002674

No. (503), Condo (A), Mindama Housing, Ma Yan Gone Township, Yangon.

YANGON ENGINEERING GROUP COMPANY LIMITED.
No.(503), Condo(A), Mindhama Housing, Mayangone Township, Yangon, Myanmar.
Tel: (951) 655309, 655308 Fax:(951) 655309
E-mail: yangonenggroup@gmail.com

POWER OF ATTORNEY

This Power of Attorney given on the 1st of October, 2015, YANGON ENGINEERING GROUP COMPANY, a company incorporated and validly existing under the laws of the Republic of the Union of Myanmar with its registered office at Room No.(503), Condo (A), Mindama Housing, Mindama Road, Mayangon Township, Yangon (hereinafter called "the Company") hereby appoints U Htoo Thet Htwe NRC No.-7/TANGANA(N) 096170, No.5 Pyay Road,Hlaing Township,Yangon,the Repuplic of the Union of Myanmar (hereinafter called "the Attorney-in-Fact") and any person appointed by U Soe Myint Than in writing, as the Company's true and lawful Attorney-in-Fact for this Company to apply for and obtain the approval of the Myanmar Investment Commission (the "MIC") of their investment in "LONGWIN GLOBAL PETROCHEMICAL COMPANY LIMITED", and, if approved, to submit the Memorandum and Articles of Association of such a private company limited by shares to the MIC and duly register said company under the laws and regulations of the Union of Myanmar. The said Attorney-in-Fact is hereby authorized to submit all documents and answer all questions on behalf of the Company and to do or cause to be done all such acts and things and to execute and deliver any and all documents and instruments as he may deem necessary or appropriate in order to obtain the required permissions from the MIC, to obtain approval of the Memorandum and Articles of Association of said company, to execute said Memorandum and Articles of Association before the competent Notary Public in the Republic of the Union of Myanmar, to register said company at the Company Register, to sign and receive the Company Registration of such company, to receive on behalf of the Company all licenses, registrations, certificates and documents, and in general to do or cause to be done all acts and thing necessary to establish said company in the Republic of the Union of Myanmar. The said Attorney-in-Fact may also delegate to others any and all of the powers hereby granted to the Attorney-in-Fact. This resolution constitutes a Special Power of Attorney for the aforesaid purpose.

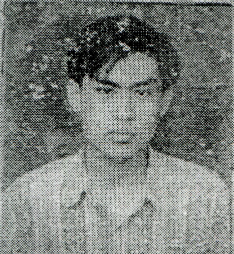
The Powers conferred hereby shall continue in full force and effect until revoked by the Company, and the Company does hereby approve, ratify and confirm all that the said Attorney-in-Fact or his designee shall lawfully do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, this Power of Attorney was duly executed on behalf of the Company this 1st of October, 2015.

U Soe Myint Than
Managing Director
YANGON ENGINEERING GROUP COMPANY

Annex-1-4-4-YEG - National Identification Card

နိုင်ငံသား စိစစ်ရေး ကတ်ပြား



အရပ်--- ၅၇ ၈"

သွေးအုပ်စု--- အော

ထင်ရှားသည့် နှဖူးတွင်

အမှတ် အသား--- မှဲ့ရှိ

အမှတ်---

၁၃၉၀၀၈

ရက်စွဲ---

အမည်--- မောင်စိုးမြင့်သန်း

ဖခင်၏အမည်--- ဦးဇော်ဝိတ်မာဖေအိုး

မွေးသက္ကရာဇ်--- ၁၂.၁၁.၁၉၇၆

လူမျိုး--- ဗမာ

ကိုးကွယ်သည့်ဘာသာ--- ဗုဒ္ဓ

ထုတ်ပေးသူ၏လက်မှတ်

အမည်---

ရာထူး---

သက်သေခံကတ်ပြားအမှတ် -- ၁၂/၃၀ (နိုင်) ၁၃၉၀၀၈



လက်ဝဲလက်မပုံစံ

အလုပ်အကိုင် -- ကျောင်းသား

နေရပ်လိပ်စာ -- ၅၂ မဂ္ဂင်လမ်း၊ မရမ်းကုန်း ရပ်၊ ဖော်လမ်းမြို့

ထိုးမြဲလက်မှတ် --

မှတ်ချက်။ (၁) ခရီး သွား သည့် အခါ တစ် ပါ တည်း ယူဆောင် သွား ရမည်။

(၂) ပျောက်ဆုံး ပျက်စီး သည့် အခါ သက်ဆိုင်ရာ ပြည်သူ့ ရဲစခန်း၊ မြို့နယ် လူဝင်မှု ကြီးကြပ်ရေး နှင့် ပြည်သူ့ အင်အား ဦးစီး ဌာန ရုံး ထံသို့ သတင်းပေးပို့ရမည်။

YANGON ENGINEERING GROUP COMPANY LIMITED

(1) STATEMENT OF COMPREHENSIVE INCOME

(2) STATEMENT OF FINANCIAL POSITION

(3) STATEMENT OF CASH FLOW

(4) NOTES TO ACCOUNTS

FOR THE PERIOD

FROM 1 - 4 - 2013 TO 31- 3 - 2014

FAMAT GROUP
Certified Public Accountants
No. 635 (A-1) , Room No. B (3), Yoma Yeiktha,
Pyay Road, Kamayut TS,
Yangon, Myanmar.

Tel: +00 95-1 523-327, 00 95-1 230-4349 & 00 95-949313006,

Fax: +00 95-1 230-4349

FAMAT GROUP

Certified Public Accountants

No. 635 (A-1), Room No. B (3),
Yoma Yeiktha, Pyay Road, Kamayut Township,
Yangon, Myanmar.
Tel: +00 95-1 523-327, 00 95-1 230-4349 & 00 95-949313006, Fax: +00 95-1 230-4349

Dated :

AUDITORS' REPORT TO MEMBERS OF THE YANGON ENGINEERING GROUP COMPANY LIMITED

We have audited the accounts and financial statements of the YANGON ENGINEERING GROUP COMPANY LIMITED in accordance with standard auditing principles, guidelines, practice and procedures for the financial year ending 31st, March 2014 and we hereby report the situation to Members of the Company as follows:

1. The Statement of Financial Position, Statement of Comprehensive Income were found to have been drawn up in agreement with the books of account, Statement and documents presented to us.

2. The accounts were also found to have been prepared in conformity with Section 130 (1) and 132(1) and Section 145 (1) & (2) of the Myanmar Companies Act and the Statement of Financial Position and Statement of Comprehensive Income Accounts have been modified without damaging the Form F prescribed therein.

3. We have been furnished by responsible officials of the company with all information and explanations substantial to the purpose of our audit.

4. In our opinion and to the best of our information and according to the explanations given to us:

   (a) The Statement of Financial Position gives a true and fair view of the State of Affairs of the Company as at 31st, March 2014, and

   (b) The Statement of Comprehensive Income gives a true and fair view of the State of Results of the Company for the year ending on 31st, March 2014.

Presented by :

DAW TIN WIN YU
B.Com.A;A.,C.P.A
TIFIED PUBLIC ACCOUNTANT
AUDITOR & CONSULTANT

AUDITOR
2000/200

YANGON ENGINEERING GROUP COMPANY LIMITED

(Incorporated in the Union of Myanmar)

STATEMENT BY DIRECTORS

We, the undersigned Directors, state that, in the opinion and to the best of our knowledge, the Statement of Financial Position, Statement of Comprehensive Income together with supporting Schedules and Notes thereto, have been drawn up according to Section 133 (1) & (2) of the Myanmar Companies Act so as to give a true and fair view of the state of affairs and of the operating results of the company relating to the financial year ending 31st, March 2014. We also believe that the Company will be able to pay its debts as and when they fall due.

On behalf of the Directors

Sign

Managing Director

Seal

Soe Myint Than
Managing Director
Yangon Engineering
Group Co., Ltd.

Sign

Director

Seal

Phyo Thu Win
Director
Yangon Engineering
Group Co.,Ltd.

Dated :

YANGON ENGINEERING GROUP CO.,LTD
STATEMENT OF FINANCIAL POSITION AS AT 31 - 3 - 2014

PARTICULAR	NOTE	KYAT	KYAT
CAPITAL & LIABILITIES			
Authorised Share Capital (100,000 Shares per each K-100,000)	3.0		**10,000,000,000.00**
Paid Up Share Capital (500 Shares per each K-100,000)	4.0		50,000,000.00
Retained Earning	5.0		
Net Profit/(Loss) for the year 2012-2013	5.1		(483,200.00)
			49,516,800.00
CURRENT LIABILITIES			
Account Payable			-
			-
TOTAL CAPITAL & LIABILITIES			**49,516,800.00**
ASSETS			
FIXED ASSETS	6.0		
Preliminary Expenses			1,168,000.00
			1,168,000.00
CURRENT ASSETS	7.0		
Cash & Bank Balance	7.1		
Cash In hand (Kyat)		48,348,800.00	
			48,348,800.00
			48,348,800.00
TOTAL ASSETS			**49,516,800.00**
			-

MD Sign Seal

Soe Myint Than
Managing Director
Yangon Engineering
Group Co., Ltd.

Director Sign Seal

Phyo Thu Win
Director
Yangon Engineering
Group Co.,Ltd.

DAW TIN WIN YU
B.Com,A;A.,C.P.A
CERTIFIED PUBLIC ACCOUNTANT
AUDITOR & CONSULTANT

YANGON ENGINEERING GROUP CO.,LTD

STATEMENT OF COMPREHENSIVE INCOME FOR THE YEAR 2013-2014

PARTICULAR	NOTE	KYAT	KYAT
INCOME			
Income			-
GROSS PROFIT/ (LOSS)			-
Less: Administration & General Expenses			
Printing & Stationery		25,500.00	
Office Expenses		23,000.00	
Telephone & Fax		22,000.00	
Miscellanous		28,000.00	
Amotization		292,000.00	
			390,500.00
			390,500.00
NET PROFIT/ (LOSS)			**(390,500.00)**

		KYATS
NOTE 5.0	**RETAINED EARNING**	
NOTE 5.1	**RETAINING EARNING (LOSS)UP TO 31.3.2014**	**(483,200.00)**
	Net Profit/(Loss)for the year 2012-2013	(92,700.00)
	Net Profit/(Loss)for the year 2013-2014	(390,500.00)
		(483.200.00)

NOTE 6.0 **FIXED ASSETS**

Fixed Assets and preliminary expenses are shown in schedule (1).

NOTE 7.0	**CURRENT ASSETS**	
NOTE 7.1	**CASH & BANK BALANCE AS AT 31.3.2014**	**48,348,800.00**
	Cash In Hand (Kyat)	48,348,800.00

YANGON ENGINEERING GROUP CO.,LTD
FIXED ASSETS & DEPRECIATION SCHEDULE AS AT 31-3-2014

Method - Straight Line

Schedule (1)

Sr.No	Particular	Original Value	Increases(+) Decrease(-)	Total Value	Depreciation				Book Value 31-3-14
					Rate	Upto 31-3-13	for the Year 2013-2014	Upto 31-3-14	
1		3	4	5	6	7	8	9	10
1	Preliminary Expenses	1,460,000.00	-	1,460,000.00	20%		292,000.00	292,000.00	1,168,000.00
	TOTAL	1,460,000.00	-	1,460,000.00			292,000.00	292,000.00	1,168,000.00

YANGON ENGINEERING GROUP CO.,LTD

2013-2014

STATEMENT OF CASH FLOW

	(Kyat)	(Kyat)
Opening Balance		48,447,300.00
INFLOW OF CASH		
Paid Up Share Capital (Alloted)		
		48,447,300.00
OUTFLOW OF CASH		
Admimistration Expenses		
Printing & Stationery	25,500.00	
Telephone & Fax	23,000.00	
Miscellanous	22,000.00	
Office Expenses	28,000.00	
		98,500.00
		98,500.00
Closing Balance as at 31.3.2014		**48,348,800.00**

Asia Green Development Bank (SULE)
No(73/75), Sule Pagoda Road, Pebedan Township
Ph : 01-378346, 378347, 378348, 378349
Fax : 01-376630, 376631, 376599
AGD BANK

ဆက်စပ်ဝန်ဆောင်မှုများ

ငွေစုဘဏ်စာရင်း	ပြည်တွင်းငွေလွှဲလုပ်ငန်း(မြို့ပေါင်းစုံသို့)	Online Phone Billing System
စာရင်းသေအပ်ငွေ	နိုင်ငံခြားငွေလွှဲလုပ်ငန်း	ATM (၂၄နာရီ) ဝန်ဆောင်မှု
စာရင်းရှင်အပ်ငွေ	နိုင်ငံခြားငွေလဲလှယ်ရေးကောင်တာ	စီးပွားရေးလုပ်ငန်းချေးငွေ (၁၃%)
Payment Order	Performance Bank Guarantee	Hire Purchase

Date : **05 May , 2015**

ACCOUNT NO. : 3251130000119
NRC :

NAME : YANGON ENGINEERING GROUP CO.LTD
ADDRESS : NO-503, CONDO (A), MINDAMA HOUSING MAYANGONE
PHONE :655309,655308

Statement Of Transaction For The Date Between 28/04/2014 And 05/05/2015

Date_Time	Description	Withdrawal Amount	Deposit Amount	Balance
28 / 04 / 2014	Opening Balance			100,000.00
28 / 04 / 2014	Online Transfer Credit 3021110005034		300,000,000.00	300,100,000.00
29 / 04 / 2014	Online Transfer Debit , 00000409	300,000,000.00		100,000.00
02 / 05 / 2014	Online Deposit *		25,000,000.00	25,100,000.00
09 / 05 / 2014	Online Withdrawal , 00000410	20,000,000.00		5,100,000.00
21 / 05 / 2014	Online Deposit *		45,000,000.00	50,100,000.00
23 / 05 / 2014	Online Withdrawal , 00002051	10,000,000.00		40,100,000.00
23 / 05 / 2014	Online Withdrawal , 00002052	5,000,000.00		35,100,000.00
28 / 05 / 2014	Online Withdrawal , 00002053	1,000,000.00		34,100,000.00
03 / 06 / 2014	Online Withdrawal , 00002055	10,000,000.00		24,100,000.00
05 / 06 / 2014	Online Withdrawal , 00002056	5,000,000.00		19,100,000.00
06 / 06 / 2014	Online Withdrawal , 00002058	5,000,000.00		14,100,000.00
06 / 06 / 2014	Clearing Paid 00002057	10,000,000.00		4,100,000.00
09 / 06 / 2014	Clearing Paid 00002059	2,000,000.00		2,100,000.00
27 / 06 / 2014	Online Deposit -		20,000,000.00	22,100,000.00
30 / 06 / 2014	Clearing Paid 00002060	5,000,000.00		17,100,000.00
04 / 07 / 2014	Cash Withdrawal , 00020621	13,000,000.00		4,100,000.00
08 / 07 / 2014	Online Withdrawal , 00020622	4,000,000.00		100,000.00
05 / 05 / 2015	Closing Balance			100,000.00
No. of Withdrawals : 13 / No. of Deposits : 4	Withdrawal Total / Deposit Total	390,000,000.00	390,000,000.00	

124／207

Intended Business Activities to be Undertaken in the Union of Myanmar

MINISTRY OF ENERGY OF REPUBLIC OF THE UNION OF MYANMAR, GUANGDONG ZHENRONG ENERGY COMPANY LIMITED, MYANMA ECONOMIC HOLDINGS LIMITED and YANGON ENGINEERING GROUP COMPANY LIMITED desire to form LONGWIN GLOBAL PETROCHEMICAL COMPANY LIMITED (the "Company") to set up the a refinery plant with five million MTA capability in the country of Myanmar for domestic market and export (the "Refinery Plant") to be located in Dawei, and all activities relevant thereto, including:

- The development, design, supervision, financing, construction, equipping, insurance, completion, testing, commissioning, operation, maintenance, transfer of and all other activities in relation to i) construction and operation of the Refinery Plant in Dawei; ii) sales of petroleum products and semi-manufactured products related to the Refinery Plant; iii) establishment of related jetty, storage, logistic facilities.

- Any other activities in support of the above operations.

PROVISO: Provided that the Company shall not exercise any of the above objects whether in the Union of Myanmar or elsewhere, save in so far as it may be entitled so as to do in accordance with the Laws, Orders and Notifications in force from time to time and then only subject to such permission and or approval as may be prescribed by the Laws, Orders and Notifications of the Union of Myanmar for the time being in force.

1	Product	Production output (10k ton/yr)	Ex-refinery price （USD/ton)	Value of product （10k USD）
2	Euro IV Gasoline	141.4		136791
3	89# gasoline	37.95	924.21	35074
4	92# gasoline	93.45	978.44	91435
5	95# gasoline	10	1028.16	10282
6	Aviation kerosene	39.39	1002.92	39505
7	Euro IV diesel	146.26	962.85	140827
8	LPG	25.68	852.64	21896
9	Propane	1.49	782.34	1166
10	Propylene(for export)	7.93	1478.71	11726
11	Asphalt	20	545.08	10902
12	Asphalt (for export)	20	483.77	9675
13	Sulfur(for export)	3.62	227.82	825
14	fuel oil(for export)	57.33	537.58	30820
15	Total	463.1		404132

Annex-4-List of directors-**To be provided**

JOINT VENTURE AGREEMENT

OF

LONGWIN GLOBAL PETROCHEMICAL COMPANY LIMITED

AMONG

MYANMA PETROCHEMICAL ENTERPRISE

GUANGDONG ZHENRONG ENERGY CO., LTD

MYANMA ECONOMIC HOLDINGS LTD.

YANGON ENGINEERING GROUP COMPANY LIMITED

TO BUILD, OPERATE AND TRANSFER

FIVE MILLION METRIC TON PER ANNUM (MTA) REFINERY PLANT IN DAWEI

2016

Table of Content

JOINT VENTURE AGREEMENT

This Joint Venture Agreement to Build, Operate and Transfer the Five Million Metric Ton per Annum (MTA) Refinery Plant in Dawei, Tanintharyi Region (hereinafter referred to as the "Agreement") is entered into among the following parties in Nay Pyi Taw on the --th day of ------------ 2016

1. **MYANMA PETROCHEMICAL ENTERPRISE** office 44, Nay Pyi Taw (hereinafter referred to as "**MPE**" which expression shall unless otherwise repugnant to the context or the meaning or the meaning thereof be deemed to include its successors permitted assigns and legal representatives.)

2. **GUANGDONG ZHENRONG ENERGY CO., LTD.**, a company duly registered and existing under the laws of the People's Republic of China, and having its registered address at 35 F, Hejing International Finance Plaza, No.8 Huaxia Road, Zhujiang New Town, Guangzhou, People's Republic of China (hereinafter referred to as "**GDZR**" which expression shall, unless otherwise repugnant to the context or the meaning thereof, be deemed to include its successors, permitted assigns and legal representatives) represented for the purpose of this Agreement by its Chairman, Mr. Xiong Shao Hui.

3 **MYANMA ECONOMIC HOLDINGS LTD.**, a special company duly registered and existing under the laws of the Republic of the Union of Myanmar, and having its registered address at No. 189-191, Maha Bandoola Road, Botataung Township, Yangon, the Republic of the Union of Myanmar (hereinafter referred to as "**MEHL**" which expression shall, unless otherwise repugnant to the context or the meaning thereof, be deemed to include its successors, permitted assigns and legal representatives) represented for the purpose of this Agreement by its Managing

Director, Major General Zarni Win.

4 **YANGON ENGINEERING GROUP COMPANY LIMITED**, a company duly registered and existing under the laws of the Republic of the Union of Myanmar, and having its registered address at No.(503), Condo (A), Mindama Housing, Mindama Road, Yangon Township, Yangon, the Republic of the Union of Myanmar (hereinafter referred to as "**YEG**" which expression shall, unless otherwise repugnant to the context or the meaning thereof, be deemed to include its successors, permitted assigns and legal representatives) represented for the purpose of this Agreement by its Chairman, U Htoo Thet Htwe.

Hereunder, each individual party shall be referred to as a "Party" and collectively as the "Parties".

WHEREAS,

1. MEHL, Htoo Group of Companies which is now YANGON ENGINEERING GROUP COMPANY LIMITED and GDZR executed a Memorandum of Understanding regarding the Project on August 24, 2010, whereupon three parties determined the principles and basis for construction and operation of such Project (hereinafter referred to as "**MOU**"); MEHL, Htoo Group of Companies and GDZR also executed a Memorandum of Agreement (hereinafter referred to as "**MOA**") regarding the Project on the 26th day of January 2012 at Nay Pyi Taw.
2. In accordance with terms and conditions of the aforesaid MOU and MOA, MEHL, GDZR and YEG will establish a project company in accordance with Foreign Investment Law and other relevant laws and regulations of Myanmar, so as to construct and operate a five

million MTA refinery plant in Dawei.

3. Due to the Sr.No.6 of (b) “List of Economic Activities Permitted with Other Conditions and required Joint Venture” in the Article of “List of Economic Activities Permitted with the Specific Condition” of MIC Notification no.49/2014, the parties to this project turn into MPE, GDZR, MEHL and YEG. The Parties agree to establish a project company as specified in this Agreement to invest, design, construct and operate a five million MTA refinery plant and related jetty, storage, sales network, logistic facilities in accordance with terms and conditions of this Agreement and transfer the facilities of the Refinery Plant to MEHL after expiration of the Term of Concession. In accordance with this Agreement, MPE shall be obliged to get, MEHL shall be obliged to assist to get, exclusive concession rights to this Project Company in order to conduct the aforesaid activities.

NOW, THEREFORE, for concession rights granted to it, and investment, design, construction and operation of the said projects by the Project Company, the Parties hereby enter into this Agreement with terms and conditions as follows:

ARTICLE 1. DEFINITIONS, ABBREVIATIONS AND INTERPRETATIONS

1.1 In this Agreement, the context otherwise requires the following terms (the first letters of which are each capitalized) shall have the following meanings:

Applicable Laws means, with respect to any Party, any and all provisions of any treaty, statute, law, regulation, ordinance, code, rule, judgment, rule of common law, order, decree, award, injunction, governmental approval, concession, grant, franchise, license, agreement, directive, requirement, or other governmental restriction or any similar form of decision of, or determination by, or any interpretation or administration of any of the foregoing by, Myanmar government authority, whether in effect as at the

Execution Date of this Agreement or thereafter and in each case as amended, applicable to such Party or any of its assets or undertakings.

Business Day refers to any day other than a Saturday, a Sunday, and/or any official holiday in Myanmar and China.

Change in Law refers to the following circumstance: (a) implementation, promulgation, revision, revocation or re-interpretation of any decree, legislation, doctrine, or other laws, regulations, notices, codes, bylaws, rules or orders is made by any government authority of Myanmar after the Execution Date of this Agreement; or (b) after Execution Date of this Agreement, any government authority issues, renews, revises or attaches any substantial condition to any approval. (c) revocation of the Permits which including but not limited to Concession Rights or refusal to renew the Permits upon the expiration of the Permits. In any of the aforesaid circumstances, taxes and Customs duties applicable to the Project Company, or taxes and Customs duties borne by the Project Company will change, or any requirements to establish, change or cancel the financing arrangement, construction, operation or maintenance will substantially affect Project Company's rights or obligations under this Agreement, or will substantially affect the business position of the Project Company under this Agreement, or will result that Project Company's performance of this Agreement in accordance with terms herein becomes illegal.

Commissioning refers to commission test of facilities of the Refinery Plant in accordance with Article 11.7.

Commercial Operation Date refers to the date upon which all testing and commissioning have been completed and the initiation date to which the Project Company can start producing products for sale.

Company Act refers to the Myanmar Companies Act.

Concession Rights refers to exclusive rights granted to the Project Company as stipulated in Article 7, which authorizes Project Company to develop, finance, construct, own, operate and maintain the Project.

Construction Contractors refers to a contractor or contractors engaged by Project Company to conduct the Construction Work and their respective successors or assignees.

Construction Work refers to design, supervision, procurement, construction, installment, completion, testing and commissioning of the Project, and related facilities and equipment.

Effective Date refers to the date where all of the conditions stipulated in Article 21.10 are fulfilled.

Environmental Contamination refers to any pollution that is incompliance with or prohibited by laws, regulations and orders of Myanmar in relation to environmental protection.

Execution Date refers to the date first written above, when authorized representatives of Parties execute this Agreement.

Force Majeure refers to the meanings stipulated in Article 16.

FIL refers to Foreign Investment Law of Myanmar, 2012.

Feasibility Study refers to feasibility study report in respect of the construction and operation of this Project.

Foreign Countries refers to other countries and regions other than Myanmar, including People’s Republic of China.

Foreign Exchange refers to currencies other than Kyat/K.

Golden Share refers to the type of share which is able to outvote all other shares and thus gives its shareholders the right of decisive vote concerning certain specific and limited issues and it is often held by a government organization.

Material Breach means a breach of this Agreement that results in serious adverse effect for the non breaching party to carry out the purpose thereof.

Myanmar Government refers to the Government of Republic of the Union of Myanmar.

O&M Contractors refers to contractors engaged by Project Company to handle management, operation, maintenance and repair of Project Facilities, and their respective successors or assignees.

Ordinary Resolution means a resolution passed if it is proposed as such where over one half of the valid votes are cast in favor of the resolution by such members, being entitled to do so, voting in person or by proxy at a General Meeting.

Permits refers to permits, licenses, consents, authorizations, approvals, concession rights, ratifications or other documents of the same or similar nature, which shall be obtained from government authorities of Myanmar for the Project Company, or for the financing, construction, ownership, operation and maintenance of the Project.

Petrochemical products refer to the finished products of petrochemical industry obtained by refining and processing petroleum or natural gas. Petrochemical products of this Project include but are not limited to products refined and processed from crude oil such as gasoline, aviation kerosene, diesel, LPG, sulphur, propane and propylene etc.

Project refers to the development, design, supervision, financing, construction, equipping, insurance, completion, testing, commissioning, operation, maintenance, transfer of and all other activities in relation to the following:

1. Construction and operation of the Refinery Plant in Dawei;

2. Wholesale for petroleum products related to the Refinery Plant; and establishment of related jetty, storage, logistic facilities.

Project Documents refers to, this Agreement, construction agreement(s), operation and maintenance agreement(s), any agreement between shareholders of the Project Company, financing agreements , oil supply and product sale agreement Permits as specified above, and any other agreement in relation to development, financing, design, construction, procurement, installment, testing, commissioning, operation and maintenance of this Project.

Project Facilities refers to refinery devices, ancillary storage and transportation facilities, public engineering and production supporting facilities, production management facilities, downstream deep processing facilities, living related facilities, and other auxiliary facilities.

Prudent Engineering and Operating Practices refers to customs, methods and practices exercised or approved to be exercised in facilities of the same categories by most Chinese refinery companies and petrochemical products and LPG retailers (including international customs, methods and practice exercised by most refinery, petrochemical products and LPG retailing companies). While making reasonable determination on the basis of known facts or those normally should be known in decision making process, such customs, methods and practices shall at all times achieve expected results by complying with requirements of laws, regulations, reliability, safety, environmental protection, efficiency and commercial purposes.

Refinery Plant refers to a refinery plant located in Dawei with five million MTA capability, which shall include (i) refinery devices, (ii) ancillary storage and transportation facilities; (iii) public engineering and production supporting facilities; (iv) production management facilities; (v) downstream deep processing facilities; (vi) living related facilities; (vii) other related Facilities; (viii) sites provided by MEHL and

occupied by such facilities, and modifications and (ix)supplements made to such facilities and engineering projects for the successful implementation of this Project.

Semi-manufactured products refer to the products obtained only by the primary processing or secondary processing of crude oil without refining or blending them. Semi-manufactured products of this Project include but are not limited to straight-run naphtha and straight-run diesel (produced by primary processing in the atmospheric and vacuum distillation unit) etc.

Special Resolution means a resolution passed if it is proposed as such where more than 75% the valid votes are cast in favor of the resolution by such member, being entitled to do so, voting in person or by proxy at a General Meeting.

Term of Concession refers to the meaning determined in Article 7.3.

Transfer Date refers to the first Business Day after expiration of Term of Concession.

ARTICLE 2 OTHER ABBREVIATIONS

2.1 In this Agreement, the following abbreviations have the following meanings:

China	People's Republic of China, for the purpose of this Agreement, excluding Hong Kong SAR, Macau SAR and Taiwan Region.
day, week and year	Calendar day, week, month and year.
Kyat/K	Lawful currency of Republic of the Union of Myanmar
MIC	Myanmar Investment Commission
Myanmar	Republic of the Union of Myanmar
RMB	Lawful currency of the People's Republic of China
$	Lawful currency of the United States of America

ARTICLE 3 INTERPRETATIONS

In this Agreement:

(a) The headings set out in this Agreement are included for convenience only and shall not in any way affect the construction or interpretation hereof.

(b) Words in English version of this Agreement importing the singular include the plural and vice versa;

(c) All references in this Agreement to articles and exhibits are to the articles of and exhibit attached to this Agreement unless otherwise stated in context of this Agreement.

(d) Unless it is otherwise contemplated in this Agreement, when a Party requests Permits or consent of another Party at any time, another Party shall not unreasonably withhold or delay in granting such Permits or consent;

(e) Parties shall perform its obligations and responsibilities under this Agreement in good faith;

(f) If the payment due date under this Agreement is not a Business Day, the next Business Day of such day shall be the payment due date.

(g) Unless it is otherwise specified in this Agreement, “include,” “includes” and “including” at all times shall be deemed to be construe with the meaning of “without limitation”.

ARTICLE 4 ESTABLISHMENT AND LEGAL POSITION OF PROJECT COMPANY

4.1 Establishment

The Parties shall, in accordance with the Company Act and other Applicable Laws and regulations, establish a joint venture company in Yangon, Myanmar and register the Refinery Plant in Dawei, Myanmar to handle the design, construction and operation of the Project (hereinafter referred to as “Project Company”).

4.2 Name and Address of the Project Company

The name of the Project Company shall be Longwin Global Petrochemical Company Limited.

The Project Company shall be registered with [………..].

The address of the Project Company is […….,Yangon, Myanmar].

4.3 Limited Liability Company

The Project Company shall be a limited liability company. The Project Company shall be a legal person established under the Laws of the Myanmar.

ARTICLE 5 BASIC INFORMATION OF PROJECT COMPANY

5.1 Purpose and Scope of Business

5.1.1 Purpose

The purpose of Project Company is to contribute to the economic and social development of Myanmar and to meet the Parties' economic goal through the Project by adoption of advanced technology and scientific management and operation methods based on the principle of equality and mutual benefit.

5.1.2 Scope of Business

The scope of business of the Project Company is to design, construct and operate the Project upon the condition of Permits issued by Myanmar Government.

5.2 Total Project Investment, Authorized Capital, Paid-up capital and Shareholding Structure

5.2.1 Total Project Investment

The estimated total project investment amount of the project is USD 2,603,000,000.00 ((say, UNITED STATES DOLLARS TWO BILLION AND SIXTY HUNDRED AND THREE MILLION ONLY).

5.2.1.1 Approximately 20% of the estimated total project investment will be provided by GDZR in the form of its shares of paid up capital and/or shareholder loan.

5.2.1.2 Approximately 80% of the estimated total project investment will be provided through bank loan in the form of project loan.

5.2.1.3 Parties agree that MPE, MEHL and YEG shall not be liable for the aforesaid loan(s) or any subsequent re-financing loan(s) if it is required during the project term.

5.2.2 Authorized Capital

The authorized share capital of the Project Company shall be USD 4,000,000,000.00 (say, UNITED STATES DOLLARS FOUR BILLION ONLY) which shall be divided into 400,000,000 shares. The par value of each share shall be USD 10 (say, UNITED STATES DOLLARS TEN ONLY). The shares subscribed by and among the Parties.

5.2.3 Paid-up Capital of the Project Company and Shareholding Structure

5.2.3.1The Paid-up Capital of the Project Company shall be USD 20,000,000 (say, UNITED STATES DOLLARS TWENTY MILLION ONLY).

The above initial Paid-up Capital shall be contributed by GDZR and YEG accordingly. For the whole project, MEHL shall contribute in the form of land use right of Site, equivalent to 20% share ratio.

5.2.3.2 Shareholding Structure

Whereas MPE is the owner of Golden Share, the shareholding structure of the Project Company shall be as follows:

Name of the Shareholder	Shareholding Percentage
MPE	3.5%
GDZR	70%

MEHL	20 %
YEG	6.5%

5.3 Transfer of Shares

5.3.1 Without the prior written consent of the other Parties, no Party shall be allowed to assign, sell or otherwise dispose of all or part of the Shares of the Project Company held by that Party to a third party (a “third party” in this Agreement shall mean any person other than the Parties of this Contract).

In case one Party pledges all or part of the Shares of the Project Company held by that Party to financial institutions for the financing purpose of the Project, the other Parties shall not unreasonably withhold their consents. However, the other parties shall not be liable for the aforesaid pledge.

5.3.2 Subject to the provisions of Article 5.3.1, any Party may assign, sell or otherwise dispose of all or part of the Shares of the Project Company held by that Party to a third party (a “third party” in this Agreement shall mean any person other than the Parties of this Agreement). Each Party hereby consents to any transfer made in compliance with Article 5.3.

5.3.3 If any Party (the “Transferring Party”) wishes to assign, sell or otherwise dispose of all or part of its Shares of the Project Company to a third party (a “Transfer”), it shall notify the other Parties in writing of (i) its intention to make the Transfer, (ii) the amount of the Shares it intends to transfer (the “Transferred Shares”), (iii) the terms and conditions of the Transfer and (iv) the identity of the proposed transferee (the “Notice”). A Party receiving such Notice shall notify the Transferring Party within forty five (45) days of delivery of the Notice whether it will purchase all or part of the Transferred Shares.

i) If a Party receiving such Notice fails to notify the Transferring Party within such forty five (45) day period that it will purchase all or part of the Transferred Shares, it shall be deemed to have irrevocably waived its right to purchase the Transferred Shares;

ii) If only one of the Parties receiving the Notice notifies the Transferring Party of its intention to purchase all of the Transferred Shares within the said forty five (45) day period, such Party shall have the right to purchase such Transferred Shares on the terms and conditions set out in the Notice;

iii) If more than one Party receiving the Notice notifies the Transferring Party of their intention to purchase the Transferred Shares within the said forty five (45) day period and if the aggregate amount of the intended purchases by the notifying Parties is equal to or higher than all of the Transferred Shares, such Parties shall have the right to purchase the Transferred Shares on a pro rata basis on the terms and conditions set forth in the Notice;

iv) If one or more Parties receiving the Notice notifies the Transferring Party of its/their intention to purchase the Transferred Shares within the said forty five (45) day period and if the aggregate amount of the intended purchases by the notifying Party or Parties is lower than all of the Transferred Shares, such Party or Parties shall have the right to purchase such amount of the Transferred Shares as set out in its or their respective notices on the terms and conditions set forth in the Notice;

v) If none of the Parties receiving the Notice notifies the Transferring Party of its intention to purchase the Transferred Share within the said forty

five (45) day period, or if there is a remaining portion of the Transferred Shares after the relevant notifying Party or Parties have exercised its/their rights with respect to the purchase of the Transferred Shares, the Transferring Party may assign, sell or otherwise dispose of such remaining share to the proposed transferee, on the terms and conditions set out in the Notice. The Transferring Party shall provide the Project Company with a duplicate of the executed written agreement with the transferee within fourteen (14) days of the execution of such agreement. In the event of any purchase of Transferred Shares pursuant to the items described in paragraphs (ii) to (v) above, the Parties shall cause their nominated Director(s) to unanimously consent to such assignment, sale or other disposition. If a Party for whatever reason elects not to purchase such Transferred Shares or fails to notify the Transferring Party that it will purchase such Transferred Shares, it shall execute all agreements and documents required to be executed by it in connection with such transfer of the Transferred Shares and it shall cause the Director(s) nominated by it to vote in favor of all such agreements and documents.

ARTICLE 6 MANAGEMENT AND ADMINISTRATION OF PROJECT COMPANY

6.1 General Meeting

6.1.1 Holding of General Meeting

A General Meeting shall be held once in every year at such time (not being more than fifteen months after the holding of the last preceding General Meeting) and place as may be prescribed by the General Meeting and if no other time or place is prescribed a General Meeting shall be held at such time and place as the Directors may from time to time determine. General Meetings held under this sub-article shall be called Annual

General Meetings. General Meetings other than the Annual General Meetings shall be called Extraordinary General Meetings. Provided that so long as the Project Company holds the First Annual General Meeting within 18 months of its incorporation, the Project Company need not hold the Annual General Meeting in the year of its incorporation or in the following year.

6.1.2 Decisions of General Meeting

The General Meeting shall be the highest authority of the Project Company. It shall decide all major issues concerning the Project Company. The following matters shall be passed by Special Resolution which means a resolution passed if it is proposed as such where more than seventy-five percent of the valid votes are cast in favor of the resolution by such shareholders, being entitled to do so, voting in person or by proxy at a General Meeting of which not less than twenty-one days' notice specifying the intention to propose the resolution as a special resolution has been duly given:

i) changing the name of the Project Company;

ii) altering the provisions of the memorandum with respect to the objects of the Project Company in accordance with the Company Act;

iii) altering or adding to the articles of association of the Project Company subject to the provisions of the Company Act and to the conditions contained in the Project Company's memorandum;

iv) reducing the share capital of the Project Company;

v) appointing inspectors to investigate the affairs of the Project Company;

vi) voluntary winding-up;

vii) any other matter, according to the Company Act and other regulations, which shall be done by Special Resolution.

viii) adopting resolutions relating to issuance of company bonds;

ix) adopting resolution relating to waive or relinquish or agreeing to waive or relinquish any right, power, privilege or remedy pursuant to the Concession Rights;

The matters other than those listed above as material matters, which include but not limited to the following matters, shall be passed by an Ordinary Resolution which means a resolution passed if it is proposed as such where over one half of the valid votes are cast in favor of the resolution by such members, being entitled to do so, voting in person or by proxy at a General Meeting of which prior notice shall be duly given:

i) determining the business policies and investment plans of the Project Company;

ii) appointing and replacing directors who are nominated by the Parties, and to decide upon matters relating to the remuneration of directors in accordance with the Articles of Association of the Project Company and the laws of Myanmar.

iii) examining and approving reports by the Board of Directors ("B.O.D");

iv) examining and approving annual financial budget plans and final accounting plans of the Project Company;

v) examining and approving plans for profit distribution and plans to make up losses of the Project Company;

vi) adopting resolution relating to the conducting of the debt restructure which shall be decided by the General Meetings in accordance with the regulations approved by the General Meetings;

vii) adopting resolution relating to the conducting of external investment which shall be decided by the General Meetings in accordance with the regulations approved by the General Meetings;

viii) adopting resolution relating to the provision of guarantee which shall be decided by the

General Meetings in accordance with the regulations approved by the General Meetings;

ix) embarking upon or engaging in any project other than the Project or making or permitting any material change in the nature of the Project Company's business;

x) deciding upon matters above the power of the Board;

xi) examining and approving the matters which shall be submitted by the Board to the General Meeting for decision; and

xii) adopting resolutions relating to other matters that shall be decided by the General Meeting in accordance with laws and regulations;

6.1.3 Quorum of General Meeting

i) The quorum for any General Meeting shall be shareholder(s) representing two-thirds of the issued Shares of the Project Company present in person or by proxy.

ii) A resolution in writing signed by all the shareholders and annexed or attached to the General Meetings Minute Book shall be as valid and effective as a resolution passed at a meeting duly convened. The signature of any shareholder may be given by his Attorney or Proxy. Any such resolution may be contained in one document or separate copies prepared and/or circulated for the purpose and signed by one or more shareholders.

iii) At any General Meeting a resolution put to the vote of the meeting shall be decided by poll.

6.2 Board of Directors

6.2.1 Composition of Board of Directors

There shall be (7) Directors, each with a term of office of 3 (three) years. MPE shall nominate (1) director, GDZR shall nominate (3) directors, MEHL shall nominate (2) directors and YEG shall nominate (1) director respectively. Directors shall be appointed by General Meetings of the Shareholders.

6.2.2 First Directors

The proposed directors in the Memorandum and Articles of Association constitute the First Directors of the Project Company until a new Board is constituted by the First Directors or elected at the First Ordinary General Meeting of Shareholders of the Project Company.

6.2.3 Term

The term of office for each of the directors shall be 3 (three) years. The General Meeting may, at any time, remove any director nominated by such Party if such Party requests so during the term of such removed office. If a seat on B.O.D is vacated by the retirement, removal, resignation, illness, disability or death of a Director, the Party that originally nominates such Director may nominate a successor to serve out such Director's term and the General Meeting shall appoint such newly nominated director according to the nomination of such Party. In the event of a removal or vacancy on B.O.D, each Party shall take all steps necessary to assist in the appointment or removal of any Director nominated by another Party.

6.2.4 Chairmanship and Managing Director

i) Chairman shall be nominated by GDZR and MEHL alternatively each year and appointed by B.O.D.

ii) The Managing Director shall be nominated by GDZR and appointed by B.O.D.

iii) One of the Deputy Managing Directors shall be nominated by MEHL and appointed by B.O.D.

6.2.5 B.O.D Meetings

i) B.O.D shall hold periodic meetings in accordance with the procedures set forth in the Articles of Association.

ii) Quorum should be present throughout the meeting. No business should be transacted when the quorum is not so present. The quorum for any such meeting shall be at least

(5) Directors, with at least one Director nominated by each Shareholder shall attend the meeting by personal presence or his/her proxy. However, if one is duly served with notice of the meeting and fails to attend or appoint a proxy to attend such meeting or absents during the meeting, such Director shall be deemed to have given up his/her right to vote and the meeting should not be deemed to fail in reaching a quorum because of the failure to attend the meeting or absence during the meeting by such Director.

iii) The Chairman shall preside over the meetings. When the Chairman is unable to attend, any member of B.O.D assigned by him may preside at the meetings.

iv) All matters shall be resolved by the majority of valid votes and in the case of equality of votes whether on a show of hands or on a poll, the Chairman of the meeting, at which the show of hands takes place or at which the poll is demanded, shall be entitled to a second or casting vote.

6.2.6 Matters to be resolved by B.O.D

6.2.6.1 Veto Power

Parties acknowledge and agree that MPE, who is the owner of the Golden Share, shall have veto power in any major matters concerning political, social issues and energy safety and security.

6.2.6.2 Day-to-Day Operation

Any resolution concerning major matters in day-to-day operation shall not be adopted or executed unless at least one vote from MEHL is obtained.

6.2.6.3 Subject to Company Acts and related laws, the following matters shall be determined and resolved at the B.O.D meeting:

i) To purchase or otherwise acquire for the Project Company any property, rights or privileges which the Project Company is authorized to acquire at such price which is not

exceeding the amount which B.O.D has the authority to decide in accordance with the regulations approved by the General Meetings;

ii) To sell, lease, abandon or otherwise deal with any property, rights or privileges with the value not exceeding the amount which B.O.D has the authority to decide in accordance with the regulations approved by the General Meetings to which the Project Company may be entitled, on such terms and conditions as it may think fit.

iii) To raise, borrow or secure the payment of such sum or sums not exceeding the amount certain amount which B.O.D has the authority to decide in accordance with the regulations approved by the General Meetings and upon such terms and conditions in all respects as they it may think fit and in particular by the issue of debentures or debenture stocks of the Project Company charged upon all or any part of the property of the Project Company (both present and future) including its uncalled capital for the time being;

iv) To pay for any rights acquired or services rendered to the Project Company, either wholly or partially in cash or in shares, bonds, debentures or other securities of the Project Company and any such shares may be issued either as fully paid up or with such amount credited as paid up thereon as may be agreed upon; and any such bonds, debentures or other securities may be either specifically charged upon all or any part of the property of the Project Company and its uncalled capital or not so charged.

v) To secure the fulfillment of any contract or engagement entered into by the Project Company be mortgage or charge upon all or any of the property of the Project Company and its uncalled capital for the time being or by granting calls on shares or in such manner as it may think fit.

vi) To appoint any person or persons to accept and hold in trust for the Project Company any property belonging to the Project Company or in which it is interested or for any other purposes and to execute and do all such deeds and things as may be requisite in relation

to any such trust.

vii) To institute, conduct, defend or abandon any legal proceedings by or against the Project Company or its officers or otherwise concerning the affairs of the Project Company and also to compound and allow time for payment or satisfaction of any debts due to or of any claims and demands by or against the Project Company.

viii) To refer claims and demands by or against the Project Company to arbitration and to observe and perform the awards.

ix) To act on behalf of the Project Company in all matters relating to bankruptcy and insolvency.

x) To execute in the name and on behalf of the Project Company in favor of any Director or other person who may incur or be about to incur any personal liability for the benefit of the Project Company, such mortgages of the Project Company's property (present and future) as they think fit and any such mortgage may contain a power of sale and such other powers, covenants and provisions as shall be agreed on.

xi) From time to time, to make, vary and repeal by-laws for the regulation of the business of the Project Company, the officers and servants or the members of the Project Company or any section thereof.

xii) To borrow money for the benefit of the Project Company's business from any person, firm or company or bank or financial organization of local and abroad in the manner that the Directors shall think fit.

xiii) To conduct the debt restructure which B.O.D has the authority to decide in accordance with the regulations approved by the General Meetings;

xiv) To make investment which B.O.D has the authority to decide in accordance with the regulations approved by the General Meetings;

xv) To decide on provision of guarantee which B.O.D has the authority to decide in accordance with the regulations approved by the General Meetings;

xvi) To decide on the establishment of the Project Company's internal management organs;

xvii) To decide on the following matters exceeding the annual financial budget:

(1) Any disposal of assets or equity interest which shall be decided by B.O.D in accordance with the regulations approved by the General meetings

(2) Any external investment and capital expenditure which shall be decided by the Board in accordance with the regulations approved by the General meetings.

xvii) To approve any single related transaction between the Project Company and its shareholders or its actual controllers which shall be decided by B.O.D in accordance with the regulations approved by the General meetings.

xix) To adopt the basic management system of the Project Company.

6.3 Senior Management Personnel

6.3.1 Management System

The Project Company shall adopt a management system under which the Managing Director shall be responsible for the day-to-day management and operation of the Project Company. The Deputy Managing Director shall assist the Managing Director in his work. The Managing Director and the Deputy Managing Director shall each be engaged by B.O.D for three (3) years. The Managing Director and Deputy Manager Director may serve consecutive terms upon reengaged by B.O.D.

In addition to the Managing Director and the Deputy Managing Director, the Project Company shall also have a Chief Financial Officer, a Deputy Chief Financial Officer, a Secretary and such other senior management personnel of the Project Company (collectively, the “Senior Management Personnel”) as the B.O.D may deem appropriate. The Chief Financial Officer

shall be nominated by the Managing Director, the Deputy Chief Financial Officer shall be nominated by the Deputy Managing Director and the Secretary shall be nominated by the Chairman . Each Officer and the Secretary shall be engaged by the B.O.D for three (3) years.

In the event it becomes necessary to replace any member of the Senior Management Personnel prior to the end of his current term of office, the Party who originally nominated the Senior Management Personnel shall nominate a new candidate, and upon approval by the B.O.D, to fill the position until the end of his office term.

6.3.2 Responsibilities of the Managing Director

The Managing Director shall be directly responsible to the B.O.D. He shall carry out the various resolutions of the Board and in accordance therewith, organize and direct the day-to-day operation and management of the Project Company and report to the nearest Board of Directors meeting. The Managing Director, with the consultation of Deputy Managing Director shall have the authority to:

i) Nominate the Chief Finance Officer and the Deputy Chief Finance Officer respectively;

ii) Implement the resolution of the General Meeting or Board regarding the disposal, all or partial of the assets of the Project Company;

iii) Make and give receipts, release and other discharges for money payable to the Project Company and for the claims and demands of the Project Company;

iv) Sign bills of exchange, cheques, promissory notes, receipts, endorsements, releases, contracts and documents for or on behalf of the Project Company;

v) Invest by placing on deposit and otherwise deal with any of the moneys of the Project Company not immediately required for the purpose thereof, upon securities or without securities and in such manners as the Directors may think fit and from time to time vary or realize such investments;

vi) With the authorization of the Board, enter into all such negotiations and contracts and rescind and vary all such contracts and execute and do all such acts, deeds and things in the name and on behalf of the Project Company as they may consider expedient for or in relation to any of the matter aforesaid or otherwise for the purposes of the Project Company;

vii) Conduct the debt restructure which the Managing Director has the authority to decide in accordance with the regulations approved by the General Meetings or B.O.D;

viii) Make external investment which the Managing Director has the authority to decide in accordance with the regulations approved by the General Meetings or B.O.D;

ix) Engage and dismiss subordinate personnel other than the Senior Management Personnel; and

x) Exercise other responsibilities, powers and duties granted by the Board.

The Project Company shall also establish departments as determined by the B.O.D on the recommendation of the Managing Director. The managers of these departments shall be appointed by the Managing Director and responsible respectively for the operation of such departments, and shall handle matters delegated to them by the Managing Director and shall be responsible to the Managing Director, who shall be responsible for appointing and dismissing such department managers (excluding the Senior Management Personnel).

6.4 Financial Accounts, Management, Dividend Distribution and, Auditing

6.4.1 Financial and Accounting Regulations

All financial and accounting regulations shall be determined by the B.O.D according to the provisions contained in the Memorandum and Articles of Association.

6.4.2 Dividend Distribution

i) Dividend Distribution should be in accordance with the shareholding percentage

specified in 5.2.3.2 of this Agreement.

ii) If the Project Company carries losses from the previous years, the profit of the current year shall first be used to cover such losses. No profit shall be distributed unless the deficit from the previous years is made up. The profit retained by the Project Company and carried over from the previous years may be distributed together with the net profit of the current year, or after the deficit of the current year is made up therefrom.

6.4.3 Insurance

The fixed assets of the Project Company shall be insured in accordance with the provisions prescribed by the FIL and the Myanmar Insurance Law. The depreciation rate of the Project Company shall be decided by B.O.D in accordance with applicable laws of Myanmar.

6.4.4 Books and Records

The books and records of the Project Company shall be in English language and be maintained in accordance with generally accepted international accounting principles, and shall accurately reflect the financial position of the Project Company.

6.4.5 Audit

The Parties hereto agree to cause the books and records of the Project Company to be audited by the Auditor of the Project Company who shall be appointed in accordance with related regulation of the Myanmar Companies Act. At the end of each fiscal year, during the term of this Agreement, such Auditor shall yearly provide the B.O.D with a Financial Report in English language in accordance with generally accepted international accounting principles.

ARTICLE 7 CONCESSION RIGHTS

7.1 Grant of Concession Rights

MPE shall assist the Project Company in procuring such concession rights as necessary for the construction and operation of the Project in accordance with terms and conditions of this

Agreement. By the existing Laws of the Republic of the Union of Myanmar, during the Term of Concession, Project Company shall enjoy the exclusive rights to design, construct, test, commissioning, own and operate this Project, maintain facilities of the Project, and the wholesale of petroleum products related to the Project. Unless it is otherwise stipulated in this Agreement.

7.2 Term of Concession

Unless this Agreement is otherwise amended, the Term of Concession shall commence upon Effective Date of this Agreement, and sustain for 50 years after the Commercial Operation Date of the Refinery Plant. The aforesaid Term of Concession may be renewed two times upon approval of the MIC or other competent governmental authorities, and each renewal shall not exceed 10 years. In the event of any postponement of construction of Project, or any delay in performance of obligations by any Party due to any reason beyond the controls of the Project Company, the Term of Concession shall be extended to the extent permissible by the MIC.

7.3 Exclusivity Rights

The Concession Rights granted under this Agreement to the Project Company shall be exclusive.

7.4 Ownership and Operational Rights

During the Term of Concession, Project Company shall own and be entitled to operate all assets, equipment and facilities of the Project. For the purposes of financing or refinancing of this Project, Project Company may, with 75% valid vote of B.O.D, mortgage or transfer all or part of assets, facilities and equipment of this Project or any operational rights hereunder for the financing and re-financing of this Project. Unless 75% valid vote of B.O.D is obtained, Project Company shall not mortgage or transfer any or all assets, facilities or equipment or

any operational rights hereunder for any purpose other than the financing or re-financing of this Project.

ARTICLE 8 PREFERENTIAL POLICY

8.1 Exemption and Reliefs

MPE shall assist in acquiring the following exemptions and reliefs defined under Section 27 of the FIL shall be granted to the Project Company and the Project:

8.1.1. Income tax exemption for a period of five consecutive years including the year of commencement on commercial scale to any business for the production of goods or services, moreover, in case where it is beneficial to the Union, income tax exemption or relief for suitable period depending upon the success of the business in which investment is made;

8.1.2. Exemption or relief from income tax on profits of the business if they are maintained for re-investment in a reserve fund and re-invested therein within one year after the reserve is made;

8.1.3. Right to deduct depreciation from the profit, after computing as the rate of deducting depreciation stipulated by the Union, in respect of machinery, equipment, building or other capital assets used in the business for the purpose of income tax assessment;

8.1.4. If the goods produced by any manufacturing business are exported, relief from income tax up to 50 percent on the profits accrued from the said export;

8.1.5. Right to pay income tax on the income of foreigners at the rates applicable to the citizens residing within the Union;

8.1.6. Right to deduct expenses from the assessment income, such expenses incurred in respect of research and development relating to the business which are actually required and are carried out within the Union;

8.1.7. Right to carry forward and set-off up to 3 consecutive years from the year the loss is sustained within two years following the enjoyment of exemption or relief from income tax as contained in sub-section (a), for each business;

8.1.8. Exemption or relief from customs duty or other internal taxes or both on machinery, equipment, instruments, machinery components, spare parts and materials used in the business, which are imported as they are actually required for use during the period of construction of business;

8.1.9. Exemption or relief from customs duty or other internal taxes or both on raw materials imported for the first three-year after the completion of construction of business;

8.1.10. If the volume of investment is increased with the approval of the Commission and the original investment business is expended during the permitted period, exemption or relief from customs duty or other internal taxes or both on machinery, equipment, instruments, machinery components, spare parts and materials used in the business, which are imported as they are actually required for use in the business expended as such;

8.1.11. Exemption or relief from commercial tax on the goods produced for export.

MPE shall assist to its best endeavor the Project Company in obtaining additional exemption and relief in accordance with existing Law of the Republic of the Union of Myanmar:

8.1.12. MPE shall assist to its best endeavor the Project Company in obtaining additional exemption and relief in accordance with Myanmar tax law, other relevant laws and modifications thereof.

8.2 Other Rights

Besides other rights to which the Project Company is entitled under FIL, MPE shall ensure and undertakes that the following rights shall also be granted to the Project Company, the Project and relevant Parties:

8.2.1 Dividends, repayment of shareholder loan and respective interest collected by GDZR can be remitted out of Myanmar in accordance with the rules and regulations of the Central Bank of the Republic of the Union of Myanmar.

8.2.2 Rights to install and use electronic communication facilities, and establish a specified telephone and communication system in accordance with Applicable Laws for the interests of Project Company, contractors and their employees and affiliates, and within the scope that Project Company believes to be appropriate and necessary for management of construction.

8.2.3 Pursuant to the existing acts, laws and regulations of the Republic of the Union of Myanmar, exemption from duties and taxes for export of products, if any after meeting market demands of Myanmar.

8.3 Other Preferential Rights

Notwithstanding any exemptions and reliefs as well as other rights contained in Article 8.1 and 8.2, the Project Company shall enjoy any or all preferential rights and privileges that are granted to other foreign investors who are doing business in the same area under relevant laws and regulations.

ARTICLE 9 WARRANTIES AND REPRESENTATIONS

9.1 Warranties and Representations of Shareholders of Project Company

Each shareholder of the Project Company hereby represents and warrants to the other that:

9.1.1 It is a legal person duly existing under relevant laws, has the authorities, power, commercial credibility, and obtains competent authority to sign and perform this Agreement.

9.1.2 It has obtained necessary authorization to execute, deliver and perform this Agreement. This Agreement shall be (or will be upon execution) legally effective and enforceable to, and binding upon their respective obligations stipulated under this Agreement. Each

party undertakes that to the best of its knowledge, the performance of this Agreement does not have any impediment.

9.1.3 The Parties shall, in accordance with this Agreement, establish the Project Company.

9.1.4 The representations and warranties contained in the Agreement are true and correct in all material respects.

ARTICLE 10 PROJECT DESIGN

10.1 Design Requirements

Project Company shall be responsible for the design of this Project in accordance with the following requirements:

10.1.1 Design of the Refinery Plant and other Project Facilities shall be conducted. The design of construction of the Project shall be strictly in compliance with relevant regulations of Myanmar and/or international standard.

10.1.2 Design of the Project Facilities shall comply with Applicable Laws and applicable technical standards in Myanmar

10.2 Modification of Design by Project Company

During the construction of the Project, Project Company shall be entitled to make any modification or change to the design documents of Project Facilities so as to expedite the construction, reduce the construction or maintenance costs, or advance the construction quality, provided however, that such modifications or changes shall comply with the design requirements specified in Article 10.1above.

ARTICLE 11 CONSTRUCTION OF PROJECT

11.1 Major Obligations of Project Company

Project Company shall be responsible for all Construction Work of the Project and bear all costs and insurance accrued by the Construction Work in accordance with this Agreement.

11.2 Construction Contractors

Contractors for the construction and installation of Project shall be determined by Project Company in the form as required by Applicable Laws.

11.3 Procurement of Goods and Services

Suppliers of goods and services related to the Project shall be determined in accordance with Applicable Laws.

11.4 Quality of Engineering of Project

Project Company shall ensure that the engineering of Project shall comply with Applicable Laws.

11.5 Assurance of Commencement of Construction

The construction of Refinery Plant shall commence in accordance with the relevant regulations of the FIL.. In the event that relevant Permits from Myanmar Government for the establishment of Project Company or commencement of construction of Refinery Plant have not yet been obtained upon such commencement date, the Parties shall provide assistance so as to ensure the commencement construction of Refinery Plant and ensure that this Agreement can be fully performed.

11.6 Testing

Project Company shall conduct testing activities to confirm the Project's compliance with design standards and specification stipulated in this Agreement and Applicable Laws.

11.7 Commissioning of Project

After passing the testing of Refinery Plant, Project Company shall conduct the Commissioning of the Project in accordance with this Agreement and Applicable Laws and standards.

11.8 Completion Inspection and Acceptance

11.8.1 In the event that Commissioning conforms to qualifications and fulfill the conditions for completion inspection and acceptance, Project Company shall coordinate with the competent relevant Myanmar authorities and organizations to conduct construction completion inspection and acceptance in accordance with Applicable Laws and regulations.

11.8.2 The date when a completion inspection and acceptance report showing conformity to relevant qualifications is issued shall be regarded as completion date of completion inspection and acceptance, and commencement date of operation.

ARTICLE 12 OPERATION AND MAINTENANCE OF PROJECT

12.1 Major Obligations of Project Company

During the Term of Concession, Project Company shall, in accordance with this Agreement, be responsible for operation and maintenance of the Project, and perform the following obligations:

12.1.1 Project Company shall, at its own cost, engage qualified O&M Contractors to handle the management, operation, maintenance and repair of Project Facilities. Project Company shall operate the Project by following Prudent Engineering and Operating Practices, so that Project Facilities will operation in good, safe and stable conditions.

12.1.2 In order to meet the need for operation and maintenance of Project, Project Company shall have sufficient number of trained employees on need basis, and provide proper on-site training for its employees.

12.1.3 Project Company shall conduct daily testing, debugging, maintenance, repair and manipulation of Project Facilities.

12.1.4 Project Company shall purchase relevant spared and replacing components, consumables, and raw materials for construction and operation of the Project.

12.1.5 Project Company shall perform other obligations under this Agreement and Applicable Laws for the purposes of operation and maintenance of this Project.

12.2 Suspension of Operation

Project Company shall be entitled to determine major repairs, maintenance and suspension of operation of the Project Facilities.

12.3 Sales of Products

12.3.1 Project Company Shall be entitled to export petroleum products and semi-manufactured products in relation to the project for sales in international market.

12.3.2 Project Company Shall not be entitled to distribute petroleum products and semi-manufactured products to the Local Market.

12.3.3 When MOE invited the bidding for the petroleum products and semi-manufactured products distribution to Local Market, project company can compete this bidding process.

ARTICLE 13 TRANSFER AFTER EXPIRATION OF TERM OF CONCESSION

13.1 Transfer Date

The day for the transfer of the Refinery Plant shall be the first Business Day after the expiration of Term of Concession or the last renewed Term of Concession.

13.2 Scope of Transfer

Upon Transfer Date, Project Company shall transfer to MEHL or its designated agencies free of charge the Refinery Plant in its normal operating conditions and all rights and interests attached to the Refinery Plant including without limitation:

(1) the facilities of the Refinery Plant as specified in the definition of the Refinery Plant ("**Refinery Plant Facilities**")

(2) all equipment, components, spares, chemical materials and other chattels in relation to Refinery Plant;

(3) all brochure, drawings and other information in relation to the Refinery Plant Facilities;

(4) any immature security, guarantee, insurance or other contractual rights provided by any contractor, manufacturer and supplier, so long as it is transferrable;

(5) any documents necessary for transfer of the Refinery Plant;

(6) Other items or material reasonably requested by MEHL and agreed by MEHL and the Project Company.

13.3 Checklist of Transfer

Project Company and MEHL shall determine a checklist for the transfer of the Refinery Plant in accordance with transfer procedure stipulated in Article 13.6 and scope of transfer set forth in Article 13.2.

13.4 Transfer of Contracts

13.4.1 Transfer of Outstanding Contracts

Upon transfer, except for those cannot be transferred due to Applicable Laws, nature of contracts or other special agreements, Project Company shall transfer

all outstanding design contracts, construction contracts, construction supervision contracts, equipment purchase contracts, installation contracts, insurance contracts etc. to MEHL or its designated agencies , and MEHL or its designated agencies shall assume all the rights and interests of the Project Company under such contracts. Project Company shall make sure that other parties of such contracts will agree with the succession by MEHL or its designated agencies.

13.4.2 Transfer of the Guarantee Provided by Contractors

Upon transfer, Project Company shall transfer to MEHL or its designated agencies free of charge all immature guaranties undertakings and warranties provided by contractors, manufacturers, and suppliers of the Project.

13.5 Term of Warranties

Upon the Transfer Date, the term of warranties of the conditions of the Refinery Plant Facilities shall be determined by the B.O.D unanimously.

13.6 Transfer Procedure

At least 6 months prior to the expiration of Term of Concession, MEHL or its designated agencies shall discuss with Project Company and determine a detailed transfer procedure within the aforesaid period. Project Company shall provide to MEHL or its designated agencies the transfer checklist as stipulated in Article 13.3, and a list of persons in charge of the transfer. MEHL or its designated agencies shall provide Project Company with a written list of its representatives in charge of the transfer

13.7 Transfer of Technology

On Transfer Date, the Project Company shall transfer for free all the technologies and know-how which is owned by the Project Company and which is necessary for the

operation and maintenance of the Refinery Plant Facilities to the MEHL or its designated agencies and shall keep the MEHL or its designated agencies harmless from any infringement claims for utilization of such technologies or know-how. For the technologies, know-how and other intellectual property rights owned by any third party, MEHL and its designated agencies shall assume any right and obligation related to intellectual property rights assigned/granted from any third party. Notwithstanding the foregoing, MEHL or its designated agencies shall bear all relevant costs accrued during the usage of such technologies and know-how, including without limitation the licensing fee owned by third parties.

Parties acknowledge and agree that any new technology, know-how, expertise and intellectual property which are developed during the term of Concession shall be owned by the Project Company and shall be owned by MEHL at the end of the term of Concession.

13.8 Removal of Project Company's Assets

The Project Company shall be entitled to remove from the site of the Refinery Plant at its own costs any personal assets of its employees and other assets which are irrelevant to the operation, maintenance and management of the Refinery Plant Facilities from within 60 days after the Transfer Date.

13.9 Costs of Transfer

Unless it is otherwise specified in this Agreement, MEHL or its designated agencies shall bear all taxes, fees, costs and expenses caused by transfer.

13.10 Effectiveness of Transfer

13.10.1 Effectiveness of Transfer

Unless it is otherwise specified in this Agreement, upon the Transfer Date, rights and obligations attached to the Refinery Plant under this Agreement

shall be immediately terminated, and MEHL or its designated agencies shall assume any right and obligation related to the operation of the Refinery Plant Facilities.

13.10.2 Transfer of Risk

Upon and after the transfer of the Refinery Plant Facilities, MEHL or its designated agencies shall bear the risks of loss, damages and destruction of the Refinery Plant Facilities.

ARTICLE 14 GENERAL OBLIGATIONS OF EACH PARTY TO THE PROJECT COMPANY

Each party of this Agreement shall abide by the laws and regulations of Myanmar.

14.1 GENERAL OBLIGATIONS OF MPE

MPE shall fulfill the following obligations:

In addition to its other responsibilities in order to achieve the Project Company's objectives, MPE shall assist its best endeavor by coordinating with concerning Ministries and Regional authorities concerned.

14.2 GENERAL OBLIGATIONS OF GDZR

GDZR shall fulfill the following obligations:

14.2.1 Perform the Feasibility Study, which expense shall be counted into the Project as project costs and borne by the Project Company;

14.2.2 Contribute in cash to the Project Company as set out in this Agreement and assist the Project Company in financing of the Project;

14.2.3 Assist the Project Company in purchasing raw materials for the Project, including but not limited to crude oil;

14.2.4 Assist the Project Company in transportation and sale of the products of the Refinery Plant;

14.2.5 Invite survey contractors to bid for the performance measurements, explorations, and observations of the facilities sites, jetty sites and roads;

14.2.6 Invite EIA contractors to bid for the performance of the environmental impact assessment, social assessment and health assessment of the Project;

14.2.7 Assist the Project Company in invitation of bids for the design and construction of the Project and assist the Project Company in trial operation;

14.2.8 Assist the Project Company in final acceptance of the Project construction;

14.2.9 Undertake operation and management of the Project Company, with responsibilities including but not limited to:

14.2.9.1 Recruit technicians, managers and skilled workers for substantive positions;

14.2.9.2 Design and implement the production and management plans of the Project;

14.2.9.3 Train Myanmar workers and progressively increase the percentage of the Myanmar citizens when making appointment of skilled citizen workers, technicians and personnel;

14.3 GENERAL OBLIGATIONS OF MEHL

MEHL shall fulfill the following obligations:

14.3.1 Contribution of land use rights and coordination efforts

MEHL shall contribute in the form of land use right of Site, which will survive the full existence of the Project Company, coordination efforts in obtaining the Myanmar Government approvals, permits and licenses.

14.3.2 MEHL shall allocate the relevant Sites for the Project as agreed upon. If there are towns, villages, cultivated farm lands, orchards, religious monuments, monasteries, churches, schools, hospitals, etc., in these provided site areas those are to be moved, the following measures are to be taken so as to maintain the economical status not

lower than their original status of the people as mentioned in the resettlement plan who are moved:

(i) MEHL shall negotiate with the people who are to be moved for resettlement and then ask permission from the Myanmar Government to provide a reasonable area of land for them;

(ii) The Project Company shall provide facilities concerning transportation, resettling, developing, establishing new farm lands and etc.;

(iii) In so doing, the Project Company shall carry out till the people who are moved have acquired their living status as up to their original condition as mentioned in the resettlement plan. All the expenses for taking these measures are to be borne by the Project Company.

14.3.3 Permits

Upon the proper and timely request of Project Company, MEHL shall be obliged to assist the Project Company in obtaining all necessary Permits for the Project and establishment of Project Company. For any Permit in relation to the Project which shall be provided by MEHL to the Project Company, it shall not unreasonably withhold such Permits. For other Permits related to design, construction and operation of Project and issued by government authorities of Myanmar Government other than MEHL, it shall be obliged, to the extent feasible under the current regulations and rules, to assist in coordinating the approval procedures, so as to simplify the approval formalities of various governmental authorities for obtaining or extending such Permits.

14.3.4 Import and Export

MEHL shall assist Project Company, Construction Contractors and O&M Contractors or its relevant authorized representatives respectively to obtain import license for any

goods and equipment necessary for the construction, operation and maintenance of the Project, including but not limited to components and spares thereof. Such import of goods and equipment shall be entitled to enjoy any preferential treatments, exemption and reduction of the import duties and customs fees available to foreign-invested enterprises under the laws of Myanmar, as well as preferential policies granted to the Project Company under this Agreement. Upon the request of the Project Company, MEHL shall coordinate with MPE to obtain any Permit necessary for the import and export of such properties and equipment.

14.3.5 Work or Stay Permits

Upon request of Project Company, MEHL shall be obliged to facilitate the procedure to obtain work permits for foreign employees of Project Company, Construction Contractors, O&M Contractors, and other persons providing services to the Project Company, including without limitation to visas and work or stay permits in accordance with existing law, rules and regulations of the Republic of the Union of Myanmar.

14.3.6 Public Facilities

MEHL shall assist the Project Company in the Construction or securing of all public facilities and utilities to Project Company necessary for the construction, operation and maintenance of the Project, such as power supply, water supply and communication facilities, which must be provided at the fair value calculated on the basis of a preferential condition no lower than that generally granted to the commercial customers who are enjoying services materially equivalent to those provided to Project Company.

14.3.7 No Interference

Subject to this Agreement, MEHL shall ensure that the Project Company takes full responsibility for the construction, operation and maintenance of this Project, unless

any interference is necessary for the purpose of the public health, public security as well as the performance of its legitimate duties. At the request of the Project Company, MEHL shall be obliged to minimize interference with the Project by any third parties.

14.3.8 Security Protection

During the effective term of this Agreement, MEHL shall be obliged to provide security protection support to the Project Company, Construction Contractors, O&M Contractors, their staffs and other people related to Project.

14.3.9 Dividend for MEHL

MEHL shall be entitled to acquire its dividends in cash or in kind with its own discretionary power from time to time. However, MEHL agrees not to sell the products to the local market and acknowledges that such products shall be used only for MEHL and its subsidiaries.

14.4 GENERAL OBLIGATIONS OF YEG

YEG shall fulfill the following obligations:

14.4.1 YEG shall contribute and assist through liaison with MPE and MEHL and relevant Government Authorities.

ARTICLE 15 GENERAL OBLIGATIONS OF PROJECT COMPANY

15.1 Compliance with Laws and Regulations

Project Company shall comply with Applicable Laws of Myanmar.

15.2 Environmental Protection

During the Term of Concession, Project Company shall protect environment of the site of the Project and surrounding areas, and take all reasonable measures to avoid or reduce any damage to Project Facilities, buildings and residential areas.

15.3 Protection for Archaeological, Geographic and Historical Relics

Any cultural relics, fossil, ancient graves and ancient sites, artistic historical mementos and any other properties discovered during the Term of Concession which are archaeologically, geographically and historically valuable shall be properties of Myanmar Government. Upon discovery of any such properties, the Project Company shall notify the competent authorities in time and shall take reasonable measures to protect such properties from any improper damage by employees of the Project Company or other persons.

15.4 Insurance

During the Term of Concession, Project Company shall by itself or request a third party to procure and maintain proper insurance for the Project in line with the development, construction and operation conditions of the Project and the industrial practice for similar project construction being financed with limited recourse right.

ARTICLE 16 FORCE MAJEURE

16.1 If either party is temporarily rendered unable, wholly or in part, by Force Majeure to perform its duties or accept performance by the other party under this contract, it is agreed that the effected party gives notice to the other party within (72) seventy-two hours after the occurrence of the cause relied upon giving full particulars in writing of such Force Majeure. The duties of such party as are effected by such Force Majeure shall with the approval of the other party, be suspended during the continuance of the inability so caused, but for no longer period and such cause shall as far as possible be removed with all reasonable dispatch. Neither party shall be responsible for delay damage or lose caused by Force Majeure.

16.2 The term "Force Majeure" as employed herein shall mean act of God, Restraint of a Government, Change in Law, Strikes, Lockout, Industrial Disturbances, Explosion, Fires, Floods, Earthquakes, Storms, Lightning, or other adverse weather

conditions, and natural phenomena or calamities and every any other causes similar to the kind herein enumerated which are beyond the control of either party and which by the exercise of due care and diligence either party is unable to overcome.

ARTICLE 17 INDEMNIFICATION FOR BREACH OF CONTRACT

17.1 Indemnification

17.1.1 If a Party fails to perform any of its obligations under this Agreement or under any of the contracts and documents referred to in this Agreement or if any representation or warranty of that Party under this Agreement or any other Contract and all of the contracts and documents referred to in this Agreement is materially untrue or inaccurate, then that Party has breached this Agreement (the "Breaching Party"). In this case, the non-breaching Party or Parties may notify the Breaching Party in writing that this Agreement has been breached and that the breach should be cured within forty-five (45) days of the date of such notice. The Breaching Party shall be liable to the Project Company and the other Parties for damages incurred as a result to such breach.

17.1.2 If any material breach has not been cured within the above-mentioned one hundred and eighty (180) day period, resulting that the Project Company is unable to continue operation, the non-breaching Party or Parties shall have the right of claiming damages from the Breaching Party as well as the right to early termination of this Agreement if permitted by this Agreement.

17.1.3 Waiver by non-breaching Parties of one or more defaults shall not deprive such Parties of the right to claim damages arising from any subsequent default. All remedies, either under this Agreement or by Law or otherwise afforded to any party, shall be cumulative and not alternative.

17.2 Disclaimer

In the event that a Party proves that its failure to perform obligations is due to Force Majeure as stipulated in Article 16, such party shall not be held liable.

17.3 Mitigation of Loss

17.3.1 The Party which suffers or may suffer loss due to breach of another Party shall take relevant reasonable actions to mitigate or reduce such loss to the greatest extent.

17.3.2 If a Party fails to conduct the aforesaid measures, the breaching Party may claim for deduction of loss that should have been mitigated or reduced from the amount of indemnification.

17.3.3 The aggrieved party may claim for any reasonable cost due to its efforts to mitigate or reduce the loss.

17.4 Loss Partially Caused by Aggrieved Party

If the loss is partially caused by the acts or omissions of the aggrieved Party, or by another event whose risks shall be borne by the aggrieved Party, loss caused by such factors shall be deducted from the amount of indemnification.

17.5 No Liability for Indirect Obligations

Unless it is otherwise stipulated in this Agreement, each Party shall not be liable for any indirect, incidental, consequential or punitive damages for any claim arising out or in relation to this Agreement.

ARTICLE 18 ASSIGNMENT OF AGREEMENT

18.1 Assignment

18.1.1 Restriction to Assignment

Either Party shall not assign any or all of its rights or obligations under this Agreement to any third party without prior written consent of other Parties.

18.1.2 Merger or Alliance of MEHL and/or MPE

In the event of merger or alliance of MEHL and/or MPE with other government authorities of Myanmar or other authorized organizations, the authority after such merger or alliance shall continue to perform all obligations of MEHL and/or MPE under this Agreement without any objection.

18.2 Assignment by Project Company

18.2.1 Restrictions to Assignment

Unless it is otherwise stipulated in Article 7.4, any or all of rights or obligations under this Agreement shall not be assigned by the Project Company to any third party without prior written consent of the Parties.

18.2.2 Assignment of Concession Rights

After the written consent of the Parties is obtained, Project Company shall be entitled to transfer all or part of Concession Rights to other qualified potential development company. Such potential development company shall be qualified for relevant development and obtain approvals from competent government authority, and shall assume all rights and obligations under this Agreement after assignment. In such case, Project Company shall, with assistance of MPE, conduct all relevant formalities in relation to assignment of Concession Rights, and obtain all related government approvals, Permits and licenses.

ARTICLE 19 DISPUTE RESOLUTION AND GOVERNING LAW

19.1 Consultation

Any dispute in relation to the execution and performance of this Agreement shall firstly be solved through amicable discussions among Parties.

19.2 Arbitration

In the event that any dispute, disagreement or claim or any other matters related under this Agreement cannot be solved by amicable discussion within 60 days after commencement of consultation, such dispute shall be settled by arbitration through an Odd number of Arbitrator. If two Arbitrators shall be appointed each by both parties. The appointed Arbitrators shall nominate an Umpire. The provisions of the Myanmar Arbitration Law, 2016 (THE PYIDAUNGSU HLUTTAW LAW NO 5/2016) or any subsisting statutory modification thereof shall apply. The venue of arbitration shall be Yangon, the Republic of the Union of Myanmar. The decision of the arbitrators or the Umpire shall be final and binding both parties.

Notwithstanding the foregoing, upon and after the domestic implementing legislations of the New York Convention (The Convention on the Recognition and Enforcement of Foreign Arbitral Awards) being in effect in Myanmar, any Party shall be entitled to submit such dispute to Singapore International Arbitration Centre for arbitration conducted in Singapore and under the then applicable arbitration rules. The arbitration fees shall be borne by the losing party.

19.3 Performance of Agreement during Dispute Resolution Process

During arbitration of the dispute, disagreement or claims, all Parties shall continue performing all obligations under this Agreement other than those in dispute.

19.4 Governing Law

This Agreement shall be read, construed, interpreted and governed by the laws, regulations, procedures and directives of the Republic of the Union of Myanmar.

ARTICLE 20 TERMINATION

20.1 The Project Company may be terminated upon the occurrence of any of the following events:

20.1.1 expiration of the term of this Agreement which in line with the concession rights approved by the MIC.

20.1.2 the Parties unanimously agree to dissolution of the Project Company.

20.1.3 the occurrence of material breach and failure to cure the same, which refers in Article 17.1.2 and with decision of 75% valid votes of B.O.D.

20.1.4 the occurrence of force majeure as stipulated in Article 16 result in impossibility to continue the implementation of the Project under this Agreement and with a unanimous decision by B.O.D.

20.2 Upon the occurrence of any of the events enumerated in Article 20.1, the Parties shall discuss in good faith, and use their best efforts to achieve, a solution acceptable to the Parties, which may include the solutions described in Article 20.3. If the Parties are unable to achieve a mutually acceptable solution at such meeting, the Parties shall call a General Meeting to adopt a resolution to dissolve the Project Company and each Party shall vote in favor of such resolution as provided in Article 20.3.

20.3 Valuation and Transfer of the Project Company upon Termination

20.3.1 Upon Termination as provided by these Articles, one (1) qualified appraiser from international firm located in Myanmar as agreed by four Parties shall be engaged by the Project Company to decide the valuation of the assets and

operation of the Project Company ("Company Valuation") (at the Project Company's cost).

20.3.2 After the Project Company Valuation is decided, unless the other Parties wishes to acquire either Party's equity at the Project Company Valuation or other price otherwise agreed by the Parties, the Parties shall sell the Project Company to a third party, pre-emptive right shall provide to Myanmar Citizens, at the Project Company Valuation or other higher price; or if the Project Company cannot be sold to a third party at such price, it should be sold at any price agreed by the Parties, in which case the Parties shall have pre-emptive right to acquire the Project Company at such price on a pro rata basis. If no Party exercises such pre-emptive right, the Project Company should be sold at such price to a third party. Otherwise, the Parties shall cause the General Meeting to adopt a resolution to dissolve the Project Company and each Party shall vote in favour of such resolution.

20.3.3 In case of dissolution of the Project Company, the dissolution of the Project Company shall be conducted in accordance with the applicable laws.

20.4 Transfer after expiration of the Term of Concession

Upon expiration of the Term of Concession, the members agree that the Company shall transfer to MEHL or its designated agencies the Refinery Plant and all rights and interests attached to the Refinery Plant as stipulated in Joint Venture Agreement without consideration.

ARTICLE 21 MISCELLANEOUS

21.1 Status of Agreement

21.1.1 Each party shall, to the extent that it is able to do so, exercise all its voting rights and other powers in relation to the Project Company to procure that the provisions of this

Agreement are properly and promptly observed and given full force and effect according to the spirit and intention of this Agreement.

21.1.2 If any provision in any constitutional documents of the Project Company, or in other agreements entered among the Parties or between either Party and the Project Company or in the Memorandum of Association and Articles of Association of the Project Company and any amendment thereto conflicts with any provision of this Agreement, this Agreement shall prevail.

21.1.3 The parties shall, when necessary, exercise their powers of voting and any other rights and powers they have to amend, waive or suspend a conflicting provision in the constitutional documents to the extent necessary to permit the Project Company and its business to be administered as set out in this Agreement

21.2 Entire Agreement

Parties of this Agreement hereby confirm, this Agreement and any other Product Documents constitute the sole and complete agreement among the Parties with respect to the Project hereof and replaces all previous oral or written arrangement, agreements, contracts, drafted documents, warranties, statement or memorandum among the Parties.

21.3 Renegotiation of the Contract

21.3.1 In the event that any situation or condition arises due to circumstances not envisaged in the Agreement and warrants amendments to the Agreement, the Parties shall negotiate with a view to make the necessary amendments.

21.3.2 If laws or regulations which concerned with the Project are enacted or amended by the Government, the Parties may amend this Joint Venture Agreement according to such enactment or amendment so as to make this Agreement complied with the laws and regulations in force.

21.3.3 Any amendment, supplement or revisions shall not be effective unless it is in writing and signed by authorized representatives of the Parties.

21.4 Severability

If any provision of this Agreement shall be held invalid or unenforceable by any arbitration penal or court with competent jurisdiction, the remainder of this Agreement shall not be affected and shall continue being valid and enforceable.

21.5 Notices

21.5.1 Unless it is otherwise stipulated in this Agreement, notices contemplated in this Agreement shall be drafted in English and delivered in person, by reputable international courier service, mail or fax to address of Parties specified in Article 21.5.3.

21.5.2 Any notice shall be deemed to have been received (a) in the case of delivery in person, mail or courier service, on the date of delivery to the address of recipient; (ii) in the case of fax, on the date of transmission with receipt acknowledged the signal is not interrupted; if fax is sent after 5:00 pm in certain Business Day (time of recipient), or at any time in a non-Business Day, such notice shall be deemed to have been received at 9:00 am in the next Business Day.

21.5.3 Contact information of Parties is as follows:

MPE

Address : Office 44
Nay Pyi Taw
Union of Myanmar

Telephone :

Fax：

Attention:

GDZR

Address： 35 F, Hejing International Finance Plaza, No.8 Huaxiia Road, Zhujiang New Town, Guangzhou, People’s Republic of China

Telephone：

Fax：

Attention:

MEHL

Address： No. 189-191, Maha Bandoola Road, Botataung Township, Yangon, Myanmar

Telephone：

Fax：

Attention:

YEG

Address： No.(503), Condo (A), Mindama Housing, Mindama Road, Yangon Township, Yangon, the Republic of the Union of Myanmar

Telephone：

Fax：

Attention:

21.5.4 Parties shall notify other Parties of any change to the aforesaid address, telephone numbers or fax numbers.

21.6 No Waiver

Any Party shall not be deemed to provide a waiver in this Agreement unless such waiver is issued to other Parties in writing. Any non-insistence on enforcing any provision in this Agreement, failure to exercise or delay in exercising any of its right under this Agreement shall not be deemed as a waiver of any of such provision, or waiver to exercise any of aforesaid right in the future. No single or partial exercise of any right or claim under this Agreement by any Party shall prevent any further exercise of the right or claim or the exercise of any other right or claim.

21.7 Waive of Sovereignty

To the extent that MEHL or its successor, MPE or its successor may in any jurisdiction claim for itself or its assets or revenues immunity from suit, execution, attachment or other legal process, MEHL and MPE hereby agrees not to claim and hereby irrevocably waives such immunity.

21.8 Confidentiality

During the continuation of this Agreement, and for a period of three (3) years following the expiration or termination of this Agreement for any reason, the Recipient Party shall (i) keep the Disclosing Party's confidential Information confidential, not disclose the Disclosing Party's confidential information to any other person other than with the prior written approval of the Disclosing Party or in accordance with this Clause and (ii) not use the Disclosing Party's confidential information for any purpose other than the performance of its obligations under this Agreement or otherwise in connection with the operation of the company or for the benefits of the company.

21.9 Language

This Agreement shall be executed in English. English version of this Agreement shall also be executed in eight (8) originals, each of MPE, GDZR, MEHL, YEG and Project Company shall have 2 originals.

21.10 Effectiveness

This Agreement shall take immediate effect upon fulfillment of all of the following conditions:

21.10.1 This Agreement is signed by authorized representatives of MPE, GDZR, MEHL, YEG, and affixed with their seals;

21.10.2 The Concession Rights is granted to the Project Company;

21.10.3 The land use right of the land which shall be provided by MEHL to the Project Company in accordance with the Lease Contract made by MEHL and Project Company on 【 】, 2016 has been granted to the Project Company by MEHL.

21.11 Right to Set-off

Without prejudice to any other right or remedy it may have, a Party reserves the right to set off at any time any amount owing to it by the Project Company against any amount payable by such Party to Project Company under this Agreement or otherwise.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be sealed and executed by their duly authorized representatives to whom this Agreement refers at the place and on the date as mentioned above.

For and on behalf of Myanma Petrochemical Enterprise

Signed by-　　　　　　　　　　　　　　　　Witnessed by:

Signature: Signature:

Name: Name:

Title: Title:

For and on behalf of Guangdong Zhenrong Energy Co., Ltd.

Signed by- Witnessed by:

Signature: Signature:

Name: Name:

Title: Title:

For and on behalf of MYANMA ECONOMIC HOLDINGS LTD.

Signed by- Witnessed by:

Signature: Signature:

Name: Name:

Title: Title:

For and on behalf of YANGON ENGINEERING GROUP COMPANY LIMITED

Signed by-	Witnessed by:
Signature:	Signature:
Name:	Name:
Title:	Title:

THE MYANMAR COMPANIES ACT

PRIVATE COMPANY LIMITED BY SHARES

Memorandum of Association

OF

LONGWIN GLOBAL PETROCHEMICAL COMPANY LIMITED

❖❖❖❖❖❖❖

I. The name of the Company is **Longwin Global Petrochemical Company Limited**

II. The registered office of the Company will be situated [, Yangon] in the Republic of the Union of Myanmar.

III. The objects for which the Company is established are as development, design, supervision, financing, construction, equipping, insurance, completion, testing, commissioning, operation, maintenance, transfer of and all other activities in relation to:

i) Construction and operation of the Refinery Plant in Dawei;

ii) Wholesale of petroleum products related to the Refinery Plant; and establishment related jetty, storage, logistic facilities.

IV. The liability of the members is limited.

V. The authorized capital of the Company is USD 4,000,000,000.00 (say, UNITED STATES DOLLARS FOUR BILLION ONLY) divided into 400,000,000 shares of USD 10 (say, UNITED STATES DOLLARS TEN ONLY) each, with power in general meeting either to increase, reduce or alter such capital from time to time in accordance with the regulations of the Company and the legislative provisions for the time being in force in this behalf.

The Paid-up Capital of the Project Company shall be USD 20,000,000 (say, UNITED STATES DOLLARS TWENTY MILLION ONLY).

We, the several persons, whose names, nationalities, addresses and descriptions are subscribed below, are desirous of being formed into a Company in pursuance of this Memorandum of Association, and we respectively agree to take the number of shares in the capital of the Company set opposite our respective names whereas Myanma Petrochemical Enterprise is the owner of Golden Share:

Sr. No	Name, Address and Occupation of Subscribers	Nationality & N.R.C No.	Number of shares taken	Signatures
1.	Myanma Petrochemical Enterprise Office 44, Nay Pyi Taw, Myanmar	The Republic of the Union of Myanmar	3.5%	
2.	Guangdong Zhenrong Energy Co., Ltd. 35 F, Hejing International Finance Plaza, No.8 Huaxia Road, Zhujiang New Town, Guangzhou, People's Republic of China	The People's Republic of China 440000000053809	70 %	
3.	Myanma Economic Holdings Ltd. No.189-191, MahaBandoola Road, Botataung Township, Yangon, Myanmar	The Republic of the Union of Myanmar No. 28 of 1990-1991	20 %	
4.	YANGON ENGINEERING GROUP COMPANY LIMITED No.(503), Condo (A), Mindama Housing, Mindama Road, Yangon Township, Yangon, the Republic of the Union of Myanmar	The Republic of the Union of Myanmar No. 5229 of 2012-2013	6.5 %	

Yangon. Dated the day of 2016

It is hereby certified that the persons mentioned above put their signatures in my presence.

THE MYANMAR COMPANIES ACT

PRIVATE COMPANY LIMITED BY SHARES

Articles of Association

OF

LONGWIN GLOBAL PETROCHEMICAL COMPANY LIMITED

Preliminary

1. In these Articles, unless the subject or context otherwise requires:-

Act means the Myanmar Companies Act.

B.O.D. means the Board of directors of the Company;

China means People's Republic of China;

Company means the above-named company.

Directors means the directors for the time being of the Company or if no directors shall have been appointed, then the founder members to the Company's memorandum of association.

Force Majeure means Force Majeure as stipulated in Article 16 of the Joint Venture Agreement, including the exceptions and procedures.

Joint Venture Agreement means the Joint Venture Agreement of Longwin Global Petrochemical Company Limited and for the Development, Operation AND Transfer of Five Million Metric Ton Per Annum (MTA) Refinery Plant in Dawei and for the Establishment and Operation of Chained Petrol Stations and Liquefied Petroleum Gas Stations around Myanmar among MYANMA PETROCHEMICAL ENTERPRISE (hereinafter referred to as **MPE**), GUANGDONG ZHENRONG ENERGY CO., LTD (hereinafter referred to as **GDZR**), MYANMA ECONOMIC HOLDINGS LTD. (hereinafter referred to as **MEHL**) and YANGON ENGINEERING GROUP COMPANY LIMITED (hereinafter referred to as **YEG**), in [Nay Pyi Taw] on the --th day of ------, 2016.

Myanmar means the Republic of the Union of Myanmar

Month means calendar month.

Ordinary Resolution means a resolution passed if it is proposed as such where over fifty percent of the valid votes are cast in favor of the resolution by such members, being entitled to do so, voting in person or by proxy at a general meeting.

Project means the development, design, supervision, financing, construction, equipping, insurance, completion, testing, commissioning, operation, maintenance, transfer of and all other activities in relation to i) construction and operation of the Refinery Plant in Dawei; ii) wholesale of petroleum products related to the Refinery Plant; and establishment related jetty, storage, logistic facilities.

Present means participation in meetings which shall be proved by the sign-in the attendance book except for the meetings held as conference telephone or other alternate forms.

Term of Concession means the time period which shall commence upon the effective date of the Joint Venture Agreement, and sustain for 50 years after the Refinery Plant is put into commercial operation. The Term of Concession may be renewed two times upon approval by the Government of Myanmar and each renewal shall not exceed ten (10) years. In the event of any postponement of construction of Project, or any delay in performance of obligations by any Party due to any reason beyond the controls of the Company, the Term of Concession shall be extended accordingly.

Seal means the common seal of the Company.

Share means the share in the share capital of the Company.

Special Resolution means a resolution passed if it is proposed as such where more than seventy-five percent of the valid votes are cast in favor of the resolution by such member, being entitled to do so, voting in person or by proxy at a General Meeting.

Words importing the singular number only shall include the plural number and vice versa.

Words importing the masculine gender only shall include the feminine gender.

Words importing persons shall include corporations.

Expressions referring to writing shall unless otherwise expressly stated, be construed as including references to printing, lithography, photography and other modes of representing or reproducing words in a visible form.

Wherever any provision of these Articles of Association ("**these Articles**") (except a provision for the appointment of a proxy) requires that a communication as between the Company, its directors or members be effected in writing, the requirement may be satisfied by the communication being given in the form of an electronic record if the person to whom the communication is given consents to it being given to him in that form.

Wherever any provision of these Articles requires that a meeting of the Company, its directors or members be held, the requirement may be satisfied by the

meeting being held by such lawful electronic means and in such manner as may be agreed by the Company in general meeting.

Save as defined in these Articles, words or expressions contained in these Articles shall bear the same meaning as in the Act or any statutory modification thereof in force at the date at which these Articles become binding on the Company.

❖❖❖❖❖❖❖

2. The regulations contained in Table “A” in the First Schedule to the Act shall apply to the Company save in so far as such regulations which are inconsistent with the following Articles. The compulsory regulations stipulated in Section 17 (2) of the Act shall always be deemed to apply to the Company.

PRIVATE COMPANY

3. The Company is to be a Private Company and accordingly following provisions shall have effect:

3.1The number of members of the Company, exclusive of persons who are in the employment of the Company, shall be limited to fifty.

3.2Any invitation to the public to subscribe for any share or debenture or debenture stock of the Company is hereby prohibited.

CAPITAL AND SHARES

4. The authorized capital of the Company is USD 4,000,000,000.00 (say, UNITED STATES DOLLARS FOUR BILLION ONLY) divided into 400,000,000 shares of USD 10 (say, UNITED STATES DOLLARS TEN ONLY) each, with power in General Meeting either to increase, reduce or such capital from time to time in accordance with the regulations of the Company and the legislative provisions for the time being in force in this behalf.

5. Increase and Decrease of Capital

5.1 During the existence of the Company, the authorized and issued capital of the Company may be increased or decreased in accordance with the Acts, other applicable laws, the provisions of the Joint Venture Agreement and the Articles of Association.

5.2 Unless otherwise agreed among the members of the Company, each member shall have the pre-emptive right to subscribe for any additional capital increase in accordance with its then current percentage of shareholding of the Company by delivering a written notice (a "Participation Notice") to the Company. If a member for whatever reason elects not to subscribe for its share of available additional capital increase or fails to deliver its Participation Notice within [30] days, it shall

nonetheless execute any and all agreements and documents required to be executed by it in connection with such additional capital increase and it shall vote, and cause the Director(s) nominated by it to vote, in favor of all such agreements and documents.

If a member for whatever reason fails to contribute or fully contribute to any additional capital increase subscribed by it, such member shall be deemed to have waived its pre-emptive right over the portion of the additional capital increase to which it has not made contribution, and each of the remaining participating members may, in addition to contributing its own portion of the additional capital increase based on its percentage of shareholding of the Company at the time, subscribe for and contribute any remaining uncontributed amount of the additional capital increase on a pro rata basis, in which case the members' respective capital contribution amounts and their percentage of shareholding of the Company shall be adjusted accordingly. Furthermore, the non-contributing member shall nonetheless execute any and all agreements and documents required to be executed by it in connection with the completion of the additional capital increase and it shall vote, and cause the Director(s) nominated by it to vote, in favor of all such agreements and documents.

SHARE CERTIFICATE

6. The certificate of title to share shall be issued under the Seal of the Company, and signed by the Chairman of B.O.D. If the share certificate is defaced, lost or destroyed, it may be renewed on payment of such fee, if any, and on such terms, if any, as to evidence and indemnity as B.O.D may think fit.

SHARE TRANSFER

7.

7.1 Without the prior written consent of the other members, no member shall be allowed to assign, sell or otherwise dispose of all or part of the Shares of the Company held by that member to a third party except for the financing purpose for this Project.

7.2 Subject to the provisions of Article 7.1, any member may assign, sell or otherwise dispose of all or part of the shares of the Company held by that member to a third party (a "third party" in these Articles shall mean any person other than the members of this Company). Each member hereby consents to any transfer made in compliance with Article 7.

7.3 If any member (the "Transferring Member") wishes to assign, sell or otherwise dispose of all or part of its subscribed shares of the Company to a third party (a "Transfer"), it shall notify the other members in writing of (i) its intention to make the Transfer, (ii) the amount of the Shares it intends to

transfer (the "Transferred Shares"), (iii) the terms and conditions of the Transfer and (iv) the identity of the proposed transferee (the "Notice").

A member receiving such Notice shall notify the Transferring Member within forty five (45) days of delivery of the Notice whether it will purchase all or part of the Transferred Shares.

i) If a member receiving such Notice fails to notify the Transferring Member within such forty five (45) day period that it will purchase all or part of the Transferred Shares, it shall be deemed to have irrevocably waived its right to purchase the Transferred Shares;

ii) If only one of the members receiving the Notice notifies the Transferring Member of its intention to purchase all of the Transferred Shares within the said forty five (45) day period, such member shall have the right to purchase such Transferred Shares on the terms and conditions set out in the Notice;

iii) If more than one member receiving the Notice notifies the Transferring Member of their intention to purchase the Transferred Shares within the said forty five (45) day period and if the aggregate amount of the intended purchases by the notifying members is equal to or higher than all of the Transferred Shares, such members shall have the right to purchase the Transferred Shares on a pro rata basis on the terms and conditions set forth in the Notice;

iv) If one or more members receiving the Notice notifies the Transferring Member of its/their intention to purchase the Transferred Shares within the said forty five (45) day period and if the aggregate amount of the intended purchases by the notifying member or members is lower than all of the Transferred Shares, such member or members shall have the right to purchase such amount of the Transferred Shares as set out in its or their respective notices on the terms and conditions set forth in the Notice;

v) If none of the members receiving the Notice notifies the Transferring Member of its intention to purchase the Transferred Shares within the said forty five (45) day period, or if there is a remaining portion of the Transferred Shares after the relevant notifying member or members have exercised its/their rights with respect to the purchase of the Transferred Shares, the Transferring Member may assign, sell or otherwise dispose of such remaining equity to the proposed transferee, on the terms and conditions set out in the Notice. The Transferring Member shall provide the Company with a duplicate of the executed written agreement with the transferee within fourteen (14) days of the execution of such agreement.

In the event of any purchase of Transferred Shares pursuant to the items described in paragraphs (i) to (v) above, the members shall cause their nominated Director(s) to unanimously consent to such assignment, sale or other disposition. If a member for whatever reason elects not to purchase such Transferred Shares or fails to notify the Transferring Member that it will purchase such Transferred Interest, it shall execute all agreements and documents required to be executed by it in connection with such transfer of the Transferred Shares and it shall cause the Director(s) nominated by it to vote in favor of all such agreements and documents.

CALL ON SHARES

8. B.O.D may from time to time make call upon the members in respect of any money unpaid on their shares, and each member shall be liable to pay the amount of every call so made upon him to the persons, and at the times and places appointed by B.O.D. A call may be made payable by installments or may be revoked or postponed as B.O.D may determine.

GENERAL MEETINGS

9. A general meeting shall be held within eighteen (18) months from the date of its incorporation (the First General Meeting).

10. After the First General Meeting, the Company shall hold, at least one in every calendar year at such time (not being more than fifteen months after the holding of the last preceding general meeting) and places as may be fixed by B.O.D. General meetings held under this article shall be called Annual General Meetings.

11. General Meetings other than the First General Meetings and the Annual General Meetings shall be called Extraordinary General Meetings. Provided that so long as the Company holds its First Annual General Meeting within 18 months of its incorporation, it need not hold it in the year of its incorporation or in the following year.

12. The General Meeting shall be the highest authority of the Company. It shall decide all major issues concerning the Company. The following matters shall be passed by Special Resolution which means a resolution passed if it is proposed as such where more than seventy-five percent of the valid votes are cast in favor of the resolution by such shareholders, being entitled to do so, voting in person or by proxy at a General Meeting of which not less than twenty-one days' notice specifying the intention to propose the resolution as a special resolution has been duly given:

    12.1 changing the name of the Company;

    12.2 altering the provisions of the memorandum with respect to the objects of the Company in accordance with the Act;

12.3 altering or adding to the Articles of Association of the Company subject to the provisions of the Act and to the conditions contained in the Company's memorandum;

12.4 adopting resolutions relating to issuance of company bonds;

12.5 adopting resolution relating to waive or relinquish or agreeing to waive or relinquish any right, power, privilege or remedy pursuant to the Concession Rights;

12.6 reducing the share capital of the Company;

12.7 appointing inspectors to investigate the affairs of the Company;

12.8 voluntary winding-up;

12.9 any other matter, according to the Act, which shall be done by Special Resolution.

The matters other than those listed above as material matters, which include but not limited to the following matters, shall be passed by an Ordinary Resolution which means a resolution passed if it is proposed as such where over fifty percent of the valid votes are cast in favor of the resolution by such members, being entitled to do so, voting in person or by proxy at a General Meeting:

12.10 determining the business policies and investment plans of the Company;

12.11 appointing and replacing directors who are nominated by the Parties, and to decide upon matters relating to the remuneration of directors;

12.12 examining and approving reports by B.O.D;

12.13 examining and approving annual financial budget plans and final accounting plans of the Company;

12.14 examining and approving plans for profit distribution and plans to make up losses of the Company;

12.15 adopting resolution relation to the conducting of the debt restructure which shall be decided by the General Meetings in accordance with the regulations approved by the General Meetings;

12.16 embarking upon or engaging in any project other than the Project or making or permitting any material change in the nature of the Company's business;

12.17 adopting resolution relation to the conducting of external investment which shall be decided by the General Meetings in accordance with the regulations approved by the General Meetings;

12.18 adopting resolution relation to the provision of guarantee which shall be decided by the General Meetings in accordance with the regulations approved by the General Meetings;

12.19 deciding upon matters above the power of B.O.D;

12.20 examining and approving the matters which shall be submitted by B.O.D to the General Meeting for decision; and

12.21 adopting resolutions relating to other matters that shall be decided by the General Meeting in accordance with laws and regulations;

13. Quorum of General Meeting

13.1 The quorum at any General Meeting shall be member(s) representing two-thirds of the outstanding Shares of the Company present in person or by proxy. No business shall be transacted at any general meeting unless a quorum of members is present at the time when the meeting proceeds to business and continues to be present until the conclusion of the meeting; save as herein otherwise provided,

13.2 A resolution in writing signed by all the members and annexed or attached to the General Meetings Minute Book shall be as valid and effective as a resolution passed at a meeting duly convened. The signature of any member may be given by his Attorney or Proxy. Any such resolution may be contained in one document or separate copies prepared and/or circulated for the purpose and signed by one or more members.

13.3 At any general meeting a resolution put to the vote of the meeting shall be decided by poll.

14. Notice of General Meetings

An annual general meeting and a meeting called for the passing of a special resolution shall be called by [30] days' notice in writing at the least, and a meeting of the Company other than an annual general meeting or a meeting for the passing of a special resolution shall be called by [30] days' notice in writing at the least. The notice shall be exclusive of the day on which it is served or deemed to be served and of the day for which it is given, and shall specify the place, the day and the hour of meeting and, in case of special business, the general nature of that business, and shall be given, in the manner hereinafter mentioned or in such other manner, if any, as may be prescribed by the Company in general meeting, to such persons as are, under these Articles, entitled to receive such notices from the Company.

15. All business shall be deemed special that is transacted at an Extraordinary General Meeting, and also all that is transacted at an Annual General Meeting, with the exception of declaring a dividend, the consideration of the accounts, balance sheets, and the reports of the directors and auditors, the election of

directors in the place of those retiring and the appointment of, and the fixing of the remuneration of, the auditors.

16. The accidental omission to give notice of a meeting to, or the non-receipt of notice of a meeting by, any person entitled to receive notice shall not invalidate the proceedings at that meeting.

17. The chairman, if any, of B.O.D shall preside as chairman over every general meeting of the Company, or if there is no such chairman, or is unwilling to act or is absent from the place in which the meeting is to be held or has given notice to the company of his intention not to attend the meeting, the directors present shall elect one of their members to be chairman of the meeting.

18. If at any meeting no director is willing to act as chairman, the members present shall choose one of their members to be chairman of the meeting.

19. On a poll votes may be given either personally or by proxy.

20. The instrument appointing a proxy shall be in writing under the hand of the appointer or of his attorney duly authorized in writing, or if the appointer is a corporation, either under seal or under the hand of an officer or attorney duly authorized. A proxy needs not be a member of the Company.

21. The instrument appointing a proxy shall be deemed to confer authority to demand or join in demanding a poll or to consent to the holding of a meeting at short notice.

DIRECTORS

22. Unless otherwise determined by a general meeting the number of Directors shall be seven (7) of whom one (1) shall be nominated by MPE, three (3) shall be nominated by GDZR, two (2) shall be nominated by MEHL and one (1) shall be nominated by YEG. Directors shall be appointed by General Meetings of the Shareholders.

    The First Directors shall be:

    (1)

    (2)

    (3)

    (4)

    (5)

    (6)

    (7)

23. The term of office for each of the directors shall be three (3) years. The General Meeting may, at any time, remove any director nominated by such member if such member requests so during the term of such removed office. If a seat on B.O.D is vacated by the retirement, removal, resignation, illness, disability or death of a Director, the member that originally nominated such Director may nominate a successor to serve out such Director's term and the General Meeting shall appoint such newly nominated director according to the nomination of such member. In the event of a removal or vacancy on B.O.D, each member shall take all steps necessary to assist in the appointment or removal of any Director nominated by another member.

24. The Chairman of B.O.D shall be nominated by GDZR and MEHL alternatively each year and appointed by B.O.D. The Managing Director shall be nominated by GDZR and appointed by B.O.D. One of the Deputy Managing Directors shall be nominated by MEHL and appointed by B.O.D. Chairman shall call and preside over meetings of B.O.D. The Chairman shall have the same voting right as the other directors and shall have a casting vote in case of a deadlock.

25. Meetings of the Directors may be held in Myanmar, China or in any other part of the world as may be convenient for the majority.
26. Unless otherwise determined by the Company by Special Resolution or otherwise stipulated in this Memorandum of Association, the quorum for meeting of the Directors shall be at least five Directors and all resolutions of B.O.D shall require the vote of a simple majority of directors present at meeting in person or by proxy.
27. The Directors may participate in any Board Meeting by means of conference telephone or other communications equipment through which all other directors present at the Meeting can hear each other and such participation shall constitute attendance at Board Meeting as if those participating were present in person, provided always that the quorum was already present at the meeting.

28. A resolution in writing, signed by all the Directors for the time being entitled to receive notice of a meeting of the Directors, shall be as valid and effectual as if it had been passed at a meeting of the Directors duly convened and held, without the need for any agenda or notice. The signature of any Director may be given by his alternate. Any such resolution may be contained in one document or separate copies prepared and/or circulated for the purpose and signed by one or more of the Directors. A cable, telex, fax message or other written electronic communication sent by a Director or his alternate shall be deemed to be a document signed by him for the purposes of these Articles.

DISQUALIFICATION OF DIRECTORS

29. The office of director shall be vacated if the director:

    29.1 ceases to be a director by virtue of the Act; or

    29.2 becomes bankrupt or suspends payment or makes any arrangement or composition with his creditors generally; or

    29.3 becomes of unsound mind; or

    29.4 resigns his office by notice in writing to the Company given in accordance with the Act or these Articles ; or

    29.5 shall for more than 6 months have been absent without permission of the directors from meetings of the directors held during that period; or

    29.6 is removed by an ordinary resolution passed pursuant to these Articles.

RETIREMENT AND RE-ELECTION OF DIRECTORS

30. No person other than a director retiring at the meeting shall, unless recommended by the shareholder, be eligible for election to the office of director at any general meeting unless not less than 2 nor more than 14 days before the date appointed for the meeting there shall have been left at the registered office of the Company notice in writing, signed by a member duly qualified to attend and vote at the meeting for which such notice is given, of his intention to propose such person for election, and also notice in writing signed by that person of his willingness to be elected.

31. Any director may be removed by Ordinary Resolution before the expiration of his period of office notwithstanding anything in these Articles or in any agreement between the Company and such director. Such removal shall be without prejudice to any claim that such director may have for damages for breach of any contract of service between him and the Company.

ALTERNATE DIRECTORS

32. A director may at any time appoint any other person (whether a director or member of the Company or not) to act as alternate director at any meeting of B.O.D at which the director is not present, and may at any time revoke any such appointment.

33. An alternate director so appointed shall not be entitled as such to receive any remuneration from the Company, but shall otherwise be subject to the provisions hereof with regard to directors.

34. An alternate director shall be entitled to receive notices of all meetings of B.O.D and to attend and vote as a director at any such meeting at which the director appointing him is not personally present, and generally to perform all the

functions, rights, powers and duties of the director by whom he was appointed in his capacity as a director but not in his capacity as a manager or working director.

35. An alternate director shall ipso facto cease to be an alternate director if his appointer ceases for any reason to be a director; provided that if a director retires and is re-elected by the meeting at which such retirement took effect, any appointment made by him pursuant to these Articles which was in force immediately prior to his retirement shall continue to operate after his re-election as if he had not so retired.

36. Where a director who has been appointed to be an alternate director is present at a meeting of B.O.D in the absence of his appointer such alternate director shall have one vote in addition to his vote as director.

37. Every appointment and revocation of appointment of an alternate director shall be made by instrument in writing under the hand of the director making or revoking such appointment and such instrument shall only take effect on the service thereof at the registered office of the Company or upon the secretary.

POWERS AND DUTIES OF B.O.D

38. Veto Power
Parties acknowledge and agree that MPE, who is the owner of the Golden Share, shall have veto power in any major matters concerning political, social issues and energy safety and security.

39. Day-to-day operation
Any resolution concerning major matters in day-to-day operation shall not be adopted or executed unless at least one vote from MEHL is obtained.

40. Without prejudice to the general power conferred by Regulation 71 of the Table "A" of the Act, it is hereby expressly declared that B.O.D shall pass resolutions on the following matters:

40.1 To purchase or otherwise acquire for the Company any property, rights or privileges which the Company is authorized to acquire at such price which is not exceeding the amount which B.O.D has the authority to decide in accordance with the regulations approved by the General Meetings.

40.2 To sell, lease, abandon or otherwise deal with any property, rights or privileges with the value not exceeding the amount which B.O.D has the authority to decide in accordance with the regulations approved by the General Meetings to which the Company may be entitled, on such terms and conditions as it may think fit.

40.3 To raise, borrow or secure the payment of such sum or sums not exceeding the amount certain amount which B.O.D has the authority to

decide in accordance with the regulations approved by the General Meetings and upon such terms and conditions in all respects as they it may think fit and in particular by the issue of debentures or debenture stocks of the Company charged upon all or any part of the property of the Company (both present and future) including its uncalled capital for the time being.

40.4 To pay for any rights acquired or services rendered to the Company, either wholly or partially in cash or in shares, bonds, debentures or other securities of the Company and any such shares may be issued either as fully paid up or with such amount credited as paid up thereon as may be agreed upon; and any such bonds, debentures or other securities may be either specifically charged upon all or any part of the property of the Company and its uncalled capital or not so charged.

40.5 To secure the fulfilment of any contract or engagement entered into by the Company be mortgage or charge upon all or any of the property of the Company and its uncalled capital for the time being or by granting calls on shares or in such manner as it may think fit.

40.6 To appoint any person or persons to accept and hold in trust for the Company any property belonging to the Company or in which it is interested or for any other purposes and to execute and do all such deeds and things as may be requisite in relation to any such trust.

40.7 To institute, conduct, defend or abandon any legal proceedings by or against the Company or its officers or otherwise concerning the affairs of the Company and also to compound and allow time for payment or satisfaction of any debts due to or of any claims and demands by or against the Company.

40.8 To refer claims and demands by or against the Company to arbitration and to observe and perform the awards.

40.9 To act on behalf of the Company in all matters relating to bankruptcy and insolvency.

40.10 To execute in the name and on behalf of the Company in favor of any Director or other person who may incur or be about to incur any personal liability for the benefit of the Company, such mortgages of the Company’s property (present and future) as they think fit and any such mortgage may contain a power of sale and such other powers, covenants and provisions as shall be agreed on.

40.11 From time to time, to make, vary and repeal by-laws for the regulation of the business of the Company, the officers and servants or the members of the Company or any section thereof.

40.12 To borrow money for the benefit of the Company's business from any person, firm or company or bank or financial organization of local and abroad in the manner that the Directors shall think fit.

40.13 To conduct the debt restructure which B.O.D has the authority to decide in accordance with the regulations approved by the General Meetings.

40.14 To make investment which B.O.D has the authority to decide in accordance with the regulations approved by the General Meetings.

40.15 To decide on provision of guarantee which B.O.D has the authority to decide in accordance with the regulations approved by the General Meetings.

40.16 To decide on the establishment of the Company's internal management organs.

40.17 To decide on the following matters exceeding the annual financial budget:

(1) Any disposal of assets or equity interest which shall be decided by B.O.D in accordance with the regulations approved by the General meetings;

(2) Any external investment and capital expenditure which shall be decided by B.O.D in accordance with the regulations approved by the General meetings.

40.18 To approve any single related transaction between the Company and its shareholders or its actual controllers which shall be decided by B.O.D in accordance with the regulations approved by the General meetings.

40.19 To adopt the basic management system of the Company.

MANAGEMENT SYSTEM

41. The Project Company shall adopt a management system under which the Managing Director shall be responsible for the day-to-day management and operation of the Project Company. The Deputy Managing Director shall assist the Managing Director in his work. The Managing Director and the Deputy Managing Director shall each be engaged by B.O.D for three (3) years. The Managing Director and Deputy Manager Director may serve consecutive terms upon being reengaged by B.O.D.

42. In addition to the Managing Director and the Deputy Managing Director, the Project Company shall also have a Chief Financial Officer, a Deputy Chief Financial Officer a Secretary and such other senior management personnel of the Project Company (collectively, the "Senior Management Personnel") as B.O.D may deem appropriate. The Chief Financial Officer shall be nominated by the Managing Director, the Deputy Chief Financial Officer shall be nominated by the

Deputy Managing Director and the Secretary shall be nominated by the Chairman. Each Officer and the Secretary shall be engaged by B.O.D for three (3) years.

43. In the event it becomes necessary to replace any member of the Senior Management Personnel prior to the end of his current term of office, the member who originally nominated the Senior Management Personnel shall nominate a new candidate, and upon approval by B.O.D, to fill the position until the end of his office term.

44. Responsibilities of the Managing Director

44.1 Nominate the Chief Finance Officer;

44.2 Implement the resolution of the General Meeting or Board regarding the disposal, all or partial of the assets of the Company;

44.3 Make and give receipts, release and other discharges for money payable to the Company and for the claims and demands of the Company;

44.4 Sign bills of exchange, cheques, promissory notes, receipts, endorsements, releases, contracts and documents for or on behalf of the Company;

44.5 Invest by placing on deposit and otherwise deal with any of the moneys of the Company not immediately required for the purpose thereof, upon securities or without securities and in such manners as the Directors may think fit and from time to time very or realize such investments;

44.6 With the authorization of B.O.D, enter into all such negotiations and contracts and rescind and vary all such contracts and execute and do all such acts, deeds and things in the name and on behalf of the Company as they may consider expedient for or in relation to any of the matter aforesaid or otherwise for the purposes of the Company;

44.7 Conduct the debt restructure which the Managing Director has the authority to decide in accordance with the regulations approved by the General Meetings or Board;

44.8 Make external investment which the Managing Director has the authority to decide in accordance with the regulations approved by the General Meetings or Board;

44.9 Engage and dismiss subordinate personnel other than the Senior Management Personnel; and

44.10 Exercise other responsibilities, powers and duties granted by B.O.D.

The Company may also establish departments as determined by B.O.D on the recommendation of the Managing Director. The managers of these departments shall be responsible respectively for the operation of such departments, and shall handle matters delegated to them by the Managing Director and shall be responsible to the Managing Director, who shall be responsible for appointing

and dismissing such department managers (excluding the Senior Management Personnel).

45. Budgets and Business Reports: the Managing Director shall prepare and submit to B.O.D an annual business plan each year 30 days before the beginning of the subsequent year, which B.O.D shall adopt with such revisions as B.O.D shall deem appropriate. In addition to the annual business plan, the Managing Director shall prepare and submit to B.O.D on a quarterly basis interim business reports in English on the activities and prospects of the Company, showing the performance of the Company as compared to the annual business plan approved by B.O.D.

ACCOUNTS

46. The Company shall formulate its own financial and accounting systems in accordance with the applicable laws in Myanmar

47. The fiscal year of the Company shall begin on April 1 of each year and end on March 31 of next year

48. The Company shall maintain a book of account in English and adopt Myanmar Kyat as its bookkeeping base currency.

49. Financial Report

    49.1 The Company shall prepare a financial report at the end of a fiscal year which shall be dully examined and verified.

    49.2 B.O.D shall submit the financial report to the members in Annual General Meeting and a copy of such financial report shall be deposit at the registered office of the company for the inspection of the members of the company during a period of at least twenty days before that meeting. Every member of the Company is entitled to receive such financial report. For members resident in foreign countries, such financial report shall be mailed to them no later than 21 days before the Annual General Meeting at their address listed in the register of shareholders, by post-paid mail.

50. The Company shall adopt both Myanmar and international accounting standard for book keeping. If there is any difference between the said two standards, the difference shall be indicated in the financial report, and the financial report by which less after-tax profit is indicated shall be adopted when the after-tax profit of the relevant fiscal year of the company is being allotted.

51. The Company shall not keep any other book of account except the statutory book of account and shall not deposit company assets into an account in any individual's name.

52. The company’s profit of a fiscal year shall be primarily use to cover the deficit. No any allotment is allowed to be made neither as dividend nor as bonus before

the deficit had been covered. If the said allotment had been made, shareholder who had received the said allotment shall refund the said amount.

53. Allotment

53.1 Cash dividends and other payment which shall be paid by the Company to shareholder residents in Myanmar shall be counted, pronounced and paid in the Myanmar Kyats. Cash dividends and other payment which shall be paid by the Company to shareholder residents outside of Myanmar shall be counted, pronounced and paid in the US Dollar. The foreign currency which would be used by the Company to pay cash dividends and other payment to shareholder residents outside of Myanmar shall be exchanged or converted in accordance with foreign currency legislation and regulation of Myanmar.

53.2 Provided that the cash dividend and other payment is made in US Dollar, unless otherwise provided by the applicable laws, the exchange rate shall be the basic rate pronounced by foreign currency regulation authority and ratified by Myanmar government on the date one day before the date that the cash dividend and other payment had been pronounced.

53.3 The company shall in accordance with Myanmar tax legislation withhold and remit the tax from the dividend income of shareholder.

54. The Company adopts the internal audit system, employ full-time auditor who is responsible to internal audit and supervision of the revenue, expense and economic activity. The internal audit system and the responsibilities of the auditor shall be approved by B.O.D and such auditor shall report to B.O.D.

55. Accountant Firm

55.1 The Company shall engage the independent accountant firm which is legally established and exists according to the applicable laws in Myanmar to audit annual financial report and inspect other financial report.

55.2 The first accountant firm of the Company may be appointed by B.O.D before the first General Meeting, and if so appointed shall hold office until the first Annual General Meeting unless previously removed by a resolution of the members of the Company in General Meeting, in which case such members at that meeting may appoint accountant firm.

55.3 The Company shall at each Annual General Meeting appoint an accountant firm to hold office until the next annual general meeting.

55.4 The directors may fill any casual vacancy in the office of accountant firm, but while any such vacancy continues the surviving or continuing accountant firm(s) (if any) may act.

55.5 Regardless of the term and condition in the contract between the Company and the accountant firm, the General Meeting may, by the Ordinary Resolution, dismiss the accountant firm before the end of its term of office without prejudice to the right of the accountant firm to claim compensation from the Company.

55.6 The remuneration of the accountant firm of the Company shall be fixed by the Company in General Meeting, except that the remuneration of any accountant firm appointed before the first General Meeting, or to fill any casual vacancy, may be fixed by B.O.D.

DISTRIBUTION OF PROFITS

56. The distribution of profits of the Company shall be as follows:

56.1 The Parties agree to the following dividend distribution percentage:

The dividend distribution percentage for MPE shall be 3.5%, for GDZR shall be 70%, for MEHL shall be 20% and for YEG shall be 6.5%.

56.2 The profit distribution scheme and the amount of profit to be distributed to each Party shall be announced within five (5) months after the end of each fiscal year, unless B.O.D decides otherwise.

56.3 The net profit shall be calculated in Kyat and, for the dividends payable to GDZR, converted by the Company with the assistance of MEHL and MPE into United States Dollars at the foreign exchange middle rate between Kyat and United States Dollars or such other freely convertible currency announced by the Central Bank of Myanmar on the date the order of payment to GDZR is made.

56.4 If the Company carries losses from the previous years, the profit of the current year shall first be used to cover such losses. No profit shall be distributed unless the deficit from the previous years is made up. The profit retained by the Company and carried over from the previous years may be distributed together with the net profit of the current year, or after the deficit of the current year is made up therefrom.

INSURANCE

57. The Company shall:

57.1 insure and keep insured, with financially sound and reputable insurers, the assets and business against insurable losses in accordance with the industrial practice and the requirement by Law;

57.2 punctually pay any premium, commission and any other amounts necessary for effecting and maintaining in force each insurance policy;

57.3 promptly notify the relevant insurer of any claim by the Company under a policy written by that insurer and diligently pursue that claim;

57.4 not do or omit to do, or permit to be done or not done, anything which might prejudice the Company's right to claim or recover under any insurance policy;

57.5 not vary, rescind, terminate, cancel or cause a material change to any insurance policy; and

57.6 establish insurance requirements, and implement and maintain procedures to monitor such requirements with respect to guarantees provided by the Company in the due course of its business.

AUDIT

58. Auditors shall be appointed and their duties regulated in accordance with the provisions of the Act or any statutory modifications thereof for the time being in force.

TERMINATION

59. The Company may be terminated upon the occurrence of any of the following events:

59.1 Expiration of the term of the Joint Venture Agreement which in line with the concession rights approved by the MIC;

59.2 The members unanimously agree to dissolution of the Company;

59.3 The occurrence of material breach and failure to cure the same, which refers in Article 17.1.2 of the Joint Venture Agreement and with a decision of 75% valid votes of B.O.D;

59.4 The occurrence of force majeure as stipulated in Article 16 of the Joint Venture Agreement result in impossibility to continue the implementation of the Project under the Joint Venture Agreement and with a unanimous decision by B.O.D.

60. Upon the occurrence of any of the events enumerated in Article 59, the members shall discuss in good faith, and use their best efforts to achieve, a solution acceptable to the members, which may include the solutions described in Article 61. If the members are unable to achieve a mutually acceptable solution at such meeting, the members shall call a General Meeting to adopt a resolution to dissolve the Company and each member shall vote in favor of such resolution as provided in Article 61.

TRANSFER OF THE COMPANY UPON TERMINATION

61. Valuation and Transfer of the Company upon Termination

61.1 Upon Termination as provided by these Articles, one (1) qualified appraiser shall be engaged by the Company to decide the valuation of the assets and

operation of the Company ("Company Valuation") (at the Company's cost).

61.2 After the Company Valuation is decided, unless the other members wishes to acquire either member's equity at the Company Valuation or other price otherwise agreed by the members, the members shall sell the Company to a third party, pre-emptive right shall provide to Myanmar Citizens, at the Company Valuation or other higher price; or if the Company cannot be sold to a third party at such price, it should be sold at any price agreed by the members, in which case the members shall have pre-emptive right to acquire the Company at such price on a pro rata basis. If no member exercises such pre-emptive right, the Company should be sold at such price to a third party. Otherwise, the members shall cause the General Meeting to adopt a resolution to dissolve the Company and each member shall vote in favour of such resolution.

61.3 In case of dissolution of the Company, the dissolution of the Company shall be conducted in accordance with the applicable laws.

62. Transfer after expiration of the Term of Concession

Upon expiration of the Term of Concession, the members agree that the Company shall transfer to MEHL or its designated agencies the Refinery Plant and all rights and interests attached to the Refinery Plant as stipulated in Joint Venture Agreement without consideration.

NOTICE

63. A notice may be given by the Company to any member either personally or sending it by post in a prepaid letter addressed to its registered address.

THE SEAL

64. The Seal shall be kept and used as stipulated in the regulations on the custody and use of the Seal approved by B.O.D of Directors.

INDEMNITY

65. Subject to the provisions of Section 86(C) of the Act and the existing laws, every Director, Auditor, Secretary or other officers of the Company shall be entitled to be indemnified by the Company against all costs, charges, losses, expenses and liabilities incurred by him in the execution and discharge of the duties or in relation thereto.

WINDING-UP

66. Subject to the provisions contained in the Act and the statutory modification, thereupon, the Company may be wound up voluntarily by the resolution of General Meeting.

❖❖❖❖

We, the several persons, whose names, nationalities, addresses and descriptions are subscribed below, are desirous of being formed into a Company in pursuance of this Articles of Association, and we respectively agree to take the number of shares in the capital of the Company set opposite our respective names whereas Myanma Petrochemical Enterprise is the owner of Golden Share.

Sr. No	Name, Address and Occupation of Subscribers	Nationality & N.R.C No.	Number of shares taken	Signatures
1.	Myanma Petrochemical Enterprise Office 44, Nay Pyi Taw, Myanmar	The Republic of the Union of Myanmar	3.5%	
2.	Guangdong Zhenrong Energy Co., Ltd. 35 F, Hejing International Finance Plaza, No.8 Huaxia Road, Zhujiang New Town, Guangzhou, People's Republic of China	The People's Republic of China 440000000053809	70%	
3.	Myanma Economic Holdings Ltd. No.189-191, MahaBandoola Road, Botataung Township, Yangon, Myanmar	The Republic of the Union of Myanmar No. 28 of 1990-1991	20%	
4.	YANGON ENGINEERING GROUP COMPANY LIMITED No.(503), Condo (A), Mindama Housing, Mindama Road, Yangon Township, Yangon, the Republic of the Union of Myanmar	The Republic of the Union of Myanmar No. 5229 of 2012-2013	6.5%	

Yangon. Dated the day of 2016

It is hereby certified that the persons mentioned above put their signatures in my presence.

Proposal Form and Related Documents

For

The Five Million Metric Ton Per Annum Refinery Project

In Dawei, Tanintharyi Region, Myanmar

(Part II)

2016

TABLE OF CONTENTS

Part 1. Equipment Required for The Refinery

No.	Equipment And Materials	Unit	Quantity	Price (USD)	Total Price (USD)
1. CDU and Vis-Breaker					
1	Primary Fractionator	-	1	266389.00	266389
2	Atmospheric Distillation Column	-	1	2886762.00	2886762
3	Atmospheric Stripper	-	1	294943.00	294943
4	Vacuum Distillation Column	-	1	3624466.00	3624466
5	Debutanizer	-	1	314720.00	314720
6	Crude - Primary Fractionator Overhead Oil Gas Heat Exchanger	-	2	854947.00	1709894
7	Crude - Atmospheric Distillation Column Overhead Oil Gas Heat Exchanger	-	2	683957.50	1367915
8	Crude - Diesel Heat Exchanger	-	2	34198.00	68396
9	Crude - Vacuum Distillation Column Sidestream 2# Heat Exchanger	-	1	34198.00	34198
10	Crude - Visbreaker Residue (Vi)	-	1	43525.00	43525
11	Crude - Atmospheric Distillation Column Intermediate Pumparound Stream 1# (Ii) Heat Exchanger	-	1	34198.00	34198
12	Crude - Atmospheric Distillation Column Sidestream 1# Heat Exchanger	-	1	54717.00	54717
13	Crude - Vacuum Distillation Column Sidestream 2# And Intermediate Pumparound Stream 2# (Ii) Heat Exchanger	-	1	52851.00	52851
14	Crude - Atmospheric Distillation Column Top Pumparound Stream Heat Exchanger	-	4	55960.25	223841
15	Crude - Atmospheric Distillation Column Sidestream 2# Heat Exchanger	-	1	221602.00	221602
16	Crude - Vacuum Distillation Column Sidestream 2# And Intermediate Pumparound Stream 2# (I) Heat	-	4	111713.00	446852
17	Crude - Visbreaker Residue (Iv) Heat Exchanger	-	4	284692.25	1138769
18	Crude - Vacuum Residue (Iv) Heat Exchanger	-	1	422810.00	422810
19	Primary Fractionator Bottoms - Vacuum Distillation Column Sidestream 3# And Pumparound Stream 3# (Iii) Heat Exchanger	-	2	394623.00	789246
20	Primary Fractionator Bottoms - Visbreaker Residue (Iii) Heat Exchanger	-	1	35752.00	35752
21	Crude - Vacuum Residue (V) Heat Exchanger	-	2	55960.00	111920
22	Crude - Atmospheric Distillation Column Sidestream 2# Heat Exchanger	-	1	32643.00	32643
23	Crude - Atmospheric Distillation Column Intermediate Pumparound Stream 1# (I) Heat Exchanger	-	3	51296.67	153890

24	Crude - Vacuum Distillation Column Sidestream 3# And Intermediate Pumparound Stream 3# (Iv) Heat Exchanger	-	2	232545.50	465091
25	Primary Fractionator Bottoms - Atmospheric Distillation Column Sidestream 3# (I) Heat Exchanger	-	2	253686.00	507372
26	Primary Fractionator Bottoms - Atmospheric Distillation Column Intermediate Pumparound Stream 2# (I) Heat Exchanger	-	1	318973.00	318973
27	Primary Fractionator Bottoms - Vacuum Distillation Column Sidestream 3# And Intermediate Pumparound Stream 3# (Ii) Heat Exchanger	-	1	364777.00	364777
28	Primary Fractionator Bottoms - Visbreaker Residue (I) Heat Exchanger	-	2	531621.50	1063243
29	Primary Fractionator Bottoms - Visbreaker Residue (Ii) Heat Exchanger	-	1	204358.00	204358
30	Primary Fractionator Bottoms - Visbreaker Residue (Iii) Heat Exchanger	-	2	569964.50	1139929
31	Desalter Waste Water - Desalter Water Injection Heat Exchanger	-	2	27980.00	55960
32	Desalter Waste Water Cooler	-	1	24871.00	24871
33	Atmospheric Distillation Column Intermediate Pumparound Stream 2# Steam Generator	-	1	126843.00	126843
34	Primary Fractionator Overhead Oil Gas Cooler	-	2	26425.50	52851
35	Atmospheric Distillation Column Overhead Oil Gas Cooler	-	2	45079.00	90158
36	Vacuum Distillation Column Sidestream 1# And Intermediate Pumparound Stream 1# - Low Temperature Water Heat Exchanger	-	1	12827.00	12827
37	Vacuum Distillation Column Intermediate Pumparound Stream 1# Cooler	-	1	12436.00	12436
38	Vacuum Residue Cooler	-	2	63732.50	127465
39	Visbreaker Residue Cooler	-	2	12435.50	24871
40	Low Temperature Water - Atmospheric Distillation Column Sidestream 1# Heat Exchanger	-	2	239385.00	478770
41	Low Temperature Water - Atmospheric Distillation Column Sidestream 1# Heat Exchanger	-	1	12436.00	12436
42	Atmospheric Distillation Column Sidestream 1# Reboiler	-	1	92148.00	92148
43	Primary Fractionator And Atmospheric Distillation Column Overhead Waste Water Cooler	-	1	34198.00	34198
44	Water Ring Pump Inlet Cooler	-	1	34198.00	34198

45	Liquid Ring Booster Pump Cooler	-	1	88604.00	88604
46	Crude - Vacuum Distillation Column Sidestream 3# Heat Exchanger	-	1	23317.00	23317
47	Debutanizer Feed Heat Exchanger	-	2	18653.50	37307
48	Debutanizer Overhead Cooler	-	2	34198.00	68396
49	Debutanizer Bottom Reboiler	-	1	183218.00	183218
50	Naphtha Cooler	-	2	12435.50	24871
51	Primary Fractionator Overhead Oil Gas Air Cooler	-	4	78675.75	314703
52	Atmospheric Distillation Column Overhead Oil Gas 1st Stage Air Cooler	-	3	82448.00	247344
53	Atmospheric Distillation Column Sidestream 1# Air Cooler	-	2	46758.00	93516
54	Diesel Air Cooler	-	2	46592.00	93184
55	Vacuum Distillation Column Sidestream 1# And Intermediate Pumparound Stream 1# Air Cooler	-	2	45763.00	91526
56	Debutanizer Overhead Air Cooler	-	2	47421.00	94842
57	Naphtha Air Cooler	-	2	45763.00	91526
58	Crude Desalter Drum (I)	-	1	599085.00	599085
59	Crude Desalter Drum (Ii)	-	1	767280.00	767280
60	Primary Fractionator Overhead Product And Reflux Drum	-	1	54717.00	54717
61	Atmospheric Distillation Column Overhead Reflux Drum	-	1	101972.00	101972
62	Atmospheric Distillation Column Overhead Product Drum	-	1	39794.00	39794
63	Vacuum Distillation Column 1st Stage Ko Drum	-	1	36063.00	36063
64	Vacuum Distillation Column 2nd Stage Ko Drum	-	1	14923.00	14923
65	Hp Gas Ko Drum	-	1	9451.00	9451
66	Lp Gas Ko Drum	-	1	9451.00	9451
67	Vacuum Distillation Column Overhead Gas Ko Drum	-	1	4974.00	4974
68	Desalter Water Injection Drum	-	1	7047.00	7047
69	Light Slop Drum	-	1	12332.00	12332
70	Flare Ko Drum	-	1	36063.00	36063
71	0.4mpa Steam Drum	-	1	14923.00	14923
72	Steam Expander	-	1	2238.00	2238
73	1.0mpa Steam-Water Ko Drum	-	1	1244.00	1244
74	Coke Burning Drum	-	1	3731.00	3731
75	Booster Pump Inlet Ko Drum	-	1	9948.00	9948
76	Nitrogen-Water Ko Drum	-	1	1451.00	1451
77	Vacuum Distillation Column Overhead Gas Liquid Seal Drum	-	1	6218.00	6218
78	Vacuum Distillation Column Overhead Gas Ko Drum	-	1	2487.00	2487
79	Seal Oil Drum	-	1	3523.00	3523
80	Demulsifier Injection Facilities	-	1	41452.00	41452
81	Corrosion Inhibitor Injection Facilities	-	1	41452.00	41452
82	Organic Amine Injection Facilities	-	1	41452.00	41452

83	Instrument Air Tank	-	1	24871.00	24871
84	Plant Air Tank	-	1	6218.00	6218
85	Vacuum Distillation Column Overhead Waste Water Drum	-	1	7047.00	7047
86	0.4mpa Steam-Water Ko Drum	-	1	1492.00	1492
87	Debutanizer Overhead Reflux Drum	-	1	62178.00	62178
88	Crude Sample Collector	-	1	2487.00	2487
89	Treated Crude Sample Collector	-	2	2487.00	4974
90	Primary Collector	-	1	2487.00	2487
91	Normal Top Collector	-	1	2487.00	2487
92	Normal Top Collector	-	1	2487.00	2487
93	Normal Line-1 Collector	-	1	2487.00	2487
94	Normal Line-2 Collector	-	1	2487.00	2487
95	Normal Line-3 Collector	-	1	2487.00	2487
96	Normal Bottom Collector	-	1	2487.00	2487
97	Vaccum Top Collector	-	1	2487.00	2487
98	Vaccum Line-1 Collector	-	1	2487.00	2487
99	Vaccum Line-2 Collector	-	1	2487.00	2487
100	Vaccum Line-3 Collector	-	1	2487.00	2487
101	Over-Gasolinzed Sample Collector	-	1	2487.00	2487
102	Vaccum Residue Collector	-	1	2487.00	2487
103	Water Sample Cooler	-	1	2487.00	2487
104	Debutanizerfeedstock Collector	-	1	2487.00	2487
105	Naphthasample Collector	-	1	2487.00	2487
106	Lpg Sample Collector	-	1	2487.00	2487
107	Dry Gas Collector	-	1	2487.00	2487
108	Silencer	-	2	5181.50	10363
109	Silencer (Vacuum Boiler)	-	2	5181.50	10363
110	Silencer (Vacuum Boiler)	-	1	7254.00	7254
111	Silencer (Gas Packing)	-	1	6218.00	6218
112	Filter (Vacuum Line-1)	-	2	2072.50	4145
113	Filter (Vacuum Line-1 Turbo)	-	2	1658.00	3316
114	Filter (Vacuum Line-2)	-	2	2487.00	4974
115	Filter (Vacuum Line-3)	-	2	6218.00	12436
116	Filter (Vacuum Line-3 Turbo)	-	2	20726.00	41452
117	Filter (Oil Sealing)	-	2	1451.00	2902
118	Low Pressure Gas Flame Arrester	-	2	4145.00	8290
119	Pilot Burner Flame Arrester	-	2	1658.00	3316
120	High Pressure Gas Flame Arrester	-	2	4145.00	8290
121	Pilot Burner Flame Arrester	-	2	1658.00	3316
122	High Pressure Gas Flame Arrester	-	2	3109.00	6218
123	Low Overtop Gas Flame Arrester	-	2	3109.00	6218
124	Low Overtop Vacuum Gas Flame Arrester	-	2	3109.00	6218
125	Low Overtop Vacuum System	Set	1	2279858.00	2279858
126	Primary Fractionator Overhead Reflux Pump	-	2	10363.00	20726
127	Primary Fractionator Bottoms Pump	-	2	136572.00	273144
128	Atmospheric Distillation Column Top Pumparound Stream Pump	-	2	21224.50	42449
129	Atmospheric Distillation Column Intermediate Pumparound Steam 1# Pump	-	2	27706.00	55412
130	Atmospheric Distillation Column Intermediate Pumparound Steam 2# Pump	-	2	44035.00	88070

131	Atmospheric Distillation Column Top Reflux Stream Pump	-	2	15488.00	30976
132	Atmospheric Distillation Column Overhead Product Pump	-	2	29016.50	58033
133	Atmospheric Distillation Column Sidestream 1# Pump	-	2	20927.50	41855
134	Atmospheric Distillation Column Sidestream 2# Pump	-	1	22111.00	22111
135	Atmospheric Distillation Column Sidestream 3# Pump	-	2	26132.50	52265
136	Atmospheric Distillation Column Residue Pump	-	2	46999.00	93998
137	Vacuum Distillation Column Overhead 1st Stage Condensed Oil Pump	-	2	9843.50	19687
138	Vacuum Distillation Column Sidestream 1# Pump And Intermediate Pumparound Stream 1# Pump	-	2	17640.50	35281
139	Vacuum Distillation Column Sidestream 2# Pump And Intermediate Pumparound Stream 2# Pump	-	2	88224.00	176448
140	Vacuum Distillation Column Sidestream 3# Pump And Intermediate Pumparound Stream 3# Pump	-	2	88016.50	176033
141	Vacuum Distillation Column Sidestream 4# Pump	-	2	30556.00	61112
142	Vacuum Residue Pump	-	2	53673.50	107347
143	Vacuum Distillation Column Overhead 2nd Stage Condensed Oil Pump	-	2	9090.50	18181
144	1st Stage Desalter Water Injection Pump	-	2	12139.00	24278
145	2nd Stage Desalter Water Injection Pump	-	2	15019.50	30039
146	Primary Fractionator Overhead Waste Water Pump	-	2	12200.00	24400
147	Vacuum Distillation Column Overhead Waste Water Pump	-	2	8929.00	17858
148	Atmospheric Distillation Column Sidestream 4# Pump	-	2	13709.00	27418
149	Light Slop Pump	-	1	17988.00	17988
150	Heavy Slop Pump	-	1	12705.00	12705
151	Oil Seal Pump	-	2	12750.50	25501
152	Primary Fractionator Overhead Product Pump	-	2	19689.50	39379
153	Debutanizer Overhead Reflux Pump	-	2	15590.50	31181
154	Gas Lubricant System	-	1	113993.00	113993
155	Ash Controller (Explosion-Proof)	-	1	10363.00	10363
156	Ash Controller (Explosion-Proof)	-	1	10363.00	10363
157	Water-Gas Interferer	Ton	322	5690.66	1832392
158	Fan G4-73-11no16d	-	1	58033.00	58033
159	Air Fany4-73-11№20f	-	1	78759.00	78759
160	Ash Controller (Explosion-Proof)	-	1	10363.00	10363
161	Mid-Pressure Air Controller(12kv 31.5ka 1250a)	-	20	22798.60	455972

162	Low Pressure Switch Controller	-	47	11813.81	555249
163	Frequency Conversion Control Cabinet 110kw	-	4	20518.75	82075
164	Frequency Conversion Control Cabinet 75kw	-	2	13990.00	27980
165	Outdoor Distribution Board	-	8	2487.13	19897
166	Outdoor Distribution Board	-	1	3109.00	3109
167	Control Column	-	40	207.25	8290
168	Control Column	-	61	186.54	11379
169	Outdoor Distribution Board (Explosion-Proof)	-	13	2487.15	32333
170	Testing Well	-	4	414.50	1658
171	Walkie-Talkie	-	6	1036.33	6218
172	Alarm Button (Explosion-Proof)	Set	15	207.27	3109
173	Fire Detector (Explosion-Proof)	Set	5	2487.20	12436
174	Explosion-Proof Junction Box 12 Pairs	-	3	932.67	2798
175	Explosion-Proof Junction Box 24 Pairs	-	1	933.00	933
176	Commucaition Station	-	15	3108.87	46633
177	Amplifier	-	24	414.50	9948
178	Junction Box	-	30	932.67	27980
179	Explosion-Proof Camera	-	6	8290.33	49742
180	Explosion-Proof Utility Box	-	6	1036.33	6218
181	Thermometer	-	202	103.63	20933
182	K-Shape Thermoelement	-	168	186.54	31338
183	Thermoelement (Single Piece)	-	13	1865.31	24249
184	Normal Stainless-Steel Pressure Gauge	-	102	45.60	4651
185	Special Stainless-Steel Pressure Gauge	-	42	373.07	15669
186	Special Stainless-Steel Pressure Gauge	-	30	391.73	11752
187	Pressure-Proof Stainless-Steel Pressure Gauge	-	36	74.61	2686
188	Box Stainless-Steel Pressure Gauge	-	31	186.55	5783
189	Isolated Stainless-Steel Pressure Gauge	-	13	373.08	4850
190	Throttle Device Dn50 Carbon Steel Class300	Set	5	503.60	2518
191	Throttle Device Dn80 022cr17ni12mo2 Class300	Set	1	1492.00	1492
192	Throttle Device Dn80 Carbon Steel Class300	Set	4	671.50	2686
193	Throttle Device Dn100 Carbon Steel Class300	Set	12	839.42	10073
194	Throttle Device Dn150 Carbon Steel Class300	Set	14	1007.29	14102
195	Throttle Device Dn200 Carbon Steel Class300	Set	7	1343.00	9401
196	Throttle Device Dn250 Carbon Steel Class300	Set	3	1511.00	4533
197	Throttle Device Dn350 12cr5mo Class300	Set	1	3358.00	3358

198	Throttle Device Dn350 Carbon Steel Class300	Set	2	2014.50	4029
199	Flange Pressure Tapping Dn40 Carbon Steel	Set	1	504.00	504
200	Flange Pressure Tapping Dn50 Carbon Steel	Set	1	504.00	504
201	Pressure Tapping Dn25 Carbon Steel	Set	6	503.67	3022
202	Ultrasonic Flowmeter 16″ Carbon Steel Class300	-	1	24871.00	24871
203	Ultrasonic Flowmeter 30″ Carbon Steel Class300	-	1	40416.00	40416
204	Mass Flowmeter 2″ 316l Class300	-	1	15855.00	15855
205	Mass Flowmeter 6″ 316l Class300	-	5	34881.80	174409
206	Wedge Flowmeter 14″ Carbon Steel Class300	-	4	15062.50	60250
207	Wedge Flowmeter 14″ 12cr5mo Class300	-	2	27042.00	54084
208	Wedge Flowmeter 12″ 12cr5mo Class300	-	1	23519.00	23519
209	Wedge Flowmeter 10″ Carbon Steel Class300	-	2	16736.00	33472
210	Wedge Flowmeter 8″ Carbon Steel Class300	-	2	13213.00	26426
211	Wedge Flowmeter 8″ 022cr17ni12mo2 Class600	-	4	16736.25	66945
212	Wedge Flowmeter 8″ 022cr17ni12mo2 Class300	-	1	15855.00	15855
213	Wedge Flowmeter 6″ Carbon Steel Class300	-	2	11099.00	22198
214	Wedge Flowmeter 6″ 316l Class300	-	6	15415.00	92490
215	Wedge Flowmeter 4″ Carbon Steel Class300	-	2	10570.50	21141
216	Wedge Flowmeter 4″ 316ss Class300	-	1	11803.00	11803
217	Wedge Flowmeter 3″ Carbon Steel Class300	-	1	6166.00	6166
218	Wedge Flowmeter 3″ 022cr17ni12mo2 Class300	-	1	9689.00	9689
219	Wedge Flowmeter 10″ Carbon Steel Class300	-	2	16736.00	33472
220	Target Flowmeter 10″ Carbon Steel Class300	-	2	19689.50	39379
221	Quartz Glass Level Gauge (Carbon Steel) Class300	-	47	559.60	26301
222	Quartz Glass Level Gauge 316l Class300	-	3	1036.33	3109
223	Magnetic Flap Level Gauge 316l Class300	-	1	3109.00	3109
224	Float Level Gauge (Carbon Steel) Class300	-	5	5181.40	25907
225	Magnetostriction Liquidometer	-	1	8290.00	8290
226	Sphere Float Level Control (Carbon Steel) Class300	-	3	7254.00	21762
227	Sphere Float Level Control 316l Class300	-	4	8290.50	33162
228	Sphere Float Level Control Switch (Carbon Steel) Class300	-	3	2798.00	8394

229	Smart Pressure Transmitter	-	69	1139.93	78655
230	Smart Different Pressure Transmitter	-	82	1347.20	110470
231	Smart Slight Pressure Transmitter	-	28	1347.18	37721
232	Smart Pressure Transmitter (Double Flanged)	-	10	2487.10	24871
233	Smart Pressure Transmitter	-	1	2073.00	2073
234	Smart Pressure Transmitter (Double Flanged)	-	29	2176.24	63111
235	Smart Pressure Transmitter	-	3	1658.00	4974
236	Safty Fence	-	590	124.36	73370
237	Surge Protective Device	-	1193	103.63	123631
238	Thermal Relay	-	60	103.63	6218
239	Operating Rod	-	5	186.60	933
240	Signal Distributor	-	4	1243.50	4974
241	Intelligent Valve Positioner	-	64	1243.56	79588
242	Power Distribution Cabinet	-	2	4145.00	8290
243	Barrier Cabinet	-	3	4145.33	12436
244	Surge Protection Device Cabinet	-	3	4145.33	12436
245	Cabinet	-	2	4145.00	8290
246	Auxiliary Instrumentation Cabinet	-	1	4145.00	4145
247	Redundant Dc Power Supply (30a)	-	4	16580.75	66323
248	Flameproof Electromagnetism Valve	-	21	1243.57	26115
249	Magnetic Oxygen Analyzer	Set	1	93267.00	93267
250	Zirconia Oxygen Content Analyzer	Set	2	18653.50	37307
251	Combustible Gas Detector	-	29	1243.55	36063
252	Toxic Gas (H2s) Detector	-	18	1243.56	22384
253	Portable Combustible Gas Detector	-	2	1865.50	3731
254	Portable Toxic Gas Detector	-	2	1865.50	3731
255	Portable Ultrasonic Flowmeter	-	1	16581.00	16581
256	Pneumatic Diaphragm Control Valve Dn25 (Carbon Steel) Class300	-	8	829.00	6632
257	Pneumatic Diaphragm Control Valve Dn40 (Carbon Steel) Class300	-	4	994.75	3979
258	Pneumatic Diaphragm Control Valve Dn50 (Carbon Steel) Class300	-	11	1160.64	12767
259	Pneumatic Diaphragm Control Valve Dn50 316ss Class300	-	2	2321.50	4643
260	Pneumatic Diaphragm Control Valve Dn50 316l Class300	-	1	2819.00	2819
261	Pneumatic Diaphragm Control Valve Dn80 (Carbon Steel) Class300	-	21	2652.90	55711
262	Pneumatic Diaphragm Control Valve Dn80 316ss Class300	-	1	4974.00	4974
263	Pneumatic Diaphragm Control Valve Dn100 (Carbon Steel) Class300	-	5	4145.20	20726
264	Pneumatic Diaphragm Control Valve Dn100 316ss Class300	-	1	7461.00	7461
265	Pneumatic Diaphragm Control Valve Dn150 (Carbon Steel) Class300	-	2	8290.50	16581
266	Pneumatic Diaphragm Control Valve Dn150 316ss Class300	-	2	12435.50	24871
267	Pneumatic Diaphragm Control Valve Dn200 (Carbon Steel) Class300	-	5	9948.40	49742

268	Pneumatic Diaphragm Control Valve Dn200 316l Class300	-	1	14923.00	14923
269	Pneumatic Diaphragm Control Valve Dn250 (Carbon Steel) Class300	-	1	16581.00	16581
270	Pneumatic Diaphragm Control Valve Dn250 316ss Class300	-	1	24871.00	24871
271	Rotary Eccentric Plug Valve Dn50 (Carbon Steel) Class300	-	1	4808.00	4808
272	Rotary Eccentric Plug Valve Dn50 316l Class300	-	1	5637.00	5637
273	Rotary Eccentric Plug Valve Dn80 (Carbon Steel) Class300	-	1	6632.00	6632
274	Rotary Eccentric Plug Valve Dn100 (Carbon Steel) Class300	-	2	7461.50	14923
275	Rotary Eccentric Plug Valve Dn100 316l Class300	-	7	10445.86	73121
276	Rotary Eccentric Plug Valve Dn150 (Carbon Steel) Class300	-	2	10943.50	21887
277	Rotary Eccentric Plug Valve Dn150 316ss Class300	-	1	15752.00	15752
278	Rotary Eccentric Plug Valve Dn150 316l Class600	-	4	15751.75	63007
279	Rotary Eccentric Plug Valve Dn200 (Carbon Steel) Class300	-	5	13762.00	68810
280	Rotary Eccentric Plug Valve Dn200 316ss Class300	-	2	23047.50	46095
281	Rotary Eccentric Plug Valve Dn250 316ss Class300	-	1	39794.00	39794
282	Rotary Eccentric Plug Valve Dn150 (Carbon Steel) Class300	-	1	8809.00	8809
283	Cylinders Brake Valve Dn40 (Carbon Steel) Class300	-	1	6529.00	6529
284	Cylinders Brake Valve Dn50 (Carbon Steel) Class300	-	3	7461.33	22384
285	Cylinders Brake Valve Dn80 (Carbon Steel) Class300	-	2	9326.50	18653
286	Cylinders Brake Valve Dn150 (Carbon Steel) Class300	-	5	11192.00	55960
287	Cylinders Brake Valve Dn200 (Carbon Steel) Class300	-	4	12124.75	48499
288	Self-Operated Control Valve Dn25 (Carbon Steel) Class300	-	2	4663.50	9327
289	Electronic On/Off Valve Dn300 316l Class300	-	1	32747.00	32747
290	Electronic On/Off Valve Dn450 316l Class300	-	1	43525.00	43525
291	Electronic On/Off Valve Dn500 316ss Class300	-	1	66323.00	66323
292	Instrument Insulation Protection Box	-	20	414.50	8290
293	The Explosion-Proof Junction Box	-	20	621.80	12436
294	Security Inspection System	Set	1	18653.00	18653
295	Shower And Eye Wash Devices	10 Sets	0.2	12435.00	2487

296	Portable Mf8 Type Dry Powder Fire Extinguisher	-	147	41.45	6093
297	Fire Extinguisher	-	49	37.31	1828
298	Cart Type Mft35 Type Dry Powder Fire Extinguisher	-	9	310.89	2798
299	Safety Protective Equipment	Batch	1	32187.00	32187
	Total				33638547
2.FCC Unit					
1	Reaction and Regeneration System	-	1	6586118.00	6586118
2	Fcc Fractionator, Class B	-	1	1430294.00	1430294
3	Light Diesel Oil Stripper Class B	-	1	43293.00	43293
4	Absorber Class B	-	1	437351.00	437351
5	Desorber Class C	-	1	728783.00	728783
6	Re-Absorber Class B	-	1	102209.00	102209
7	Stabilizer Class B	-	1	659741.00	659741
8	Light/ Heavy Gasoline Fractionator Class B	-	1	112638.00	112638
9	Fractianator Overhead - Water Heat Exchanger Class B	-	6	101486.83	608921
10	Fractianator Overhead Coolers Class B	-	6	58550.17	351301
11	Top Circulation Oil - Water Heat Exchanger Class B	-	4	30179.00	120716
12	Fractionation Of A Hot Water Heat Exchanger Class B	-	1	29270.00	29270
13	Light Diesel Oil - Rich Absorption Oil Heat Exchanger Class B	-	1	14891.00	14891
14	Light Diesel Oil - Water Heat Exchanger Class B	-	1	24634.00	24634
15	Absorption Oil Cooler Class B	-	2	16669.00	33338
16	Raw Materials Oil Circulating Oil Slurry Heat Exchanger Class B	-	1	58585.00	58585
17	Slurry Oil Steam Generator Class B	-	3	138888.00	416664
18	Products Oil - Water Heat Exchanger Class B	-	6	9141.33	54848
19	The Compressed Rich Gas Condensate Cooler Class B	-	4	44772.50	179090
20	Absorber- Desalting Water Heat Exchanger Class B	-	2	16414.00	32828
21	Absorber- Desalting Water Heat Exchanger Class B	-	2	21464.50	42929
22	Liquefied Gas Cooler Class B	-	2	10606.00	21212
23	Stabilized Gasoline - In Addition To Brine Heat Exchanger Class B	-	2	10783.00	21566
24	Stabilized Gasoline Cooler Class B	-	2	15479.50	30959
25	Heavy Oil - Water Heat Exchanger Class B	-	1	30025.00	30025
26	Light Gasoline Cooler Class B	-	2	9166.50	18333
27	Desorberbottom Reboiler (1) Class B	-	1	125099.00	125099
28	Desorberbottom Reboiler (2) Class B	-	1	98999.00	98999
29	Desorbermiddle Reboiler Class B	-	1	31591.00	31591
30	Stabilizerbottom Reboiler Class B	-	1	526939.00	526939
31	Light/Heavy Gasoline Fractionation Tower Bottom Reboiler (1) Class B	-	1	31591.00	31591

32	Light/Heavy Gasoline Fractionation Tower Bottom Reboiler (2) Class B	-	1	31591.00	31591
33	Heavy Oil Cooler Class B	-	2	21439.50	42879
34	Heavy Oil - In Addition To Brine Heat Exchanger Class B	-	1	13990.00	13990
35	Raw Oil Start Heater Class B	-	1	38131.00	38131
36	Sampling Cooler	-	1	5600.00	5600
37	Sampling Cooler	-	1	4140.00	4140
38	Fractianator Overhead Dry Air Cooled Heat Exchanger	-	12	58937.33	707248
39	The Compressed Rich Gas Dry Type Air Cooler	-	2	58937.50	117875
40	Light Diesel Oil Air Cooler	-	2	36269.00	72538
41	Stabilized Gasoline Dry Air Cooled Heat Exchanger	-	2	36269.00	72538
42	Stabilizer Top Oil And Gas Dry Type Air Cooler	-	12	72812.67	873752
43	The Severity Of Gas Separation Tower Dry Air Cooled Heat Exchanger	-	4	44807.75	179231
44	Cold Catalyst Tank Class A	-	1	239029.00	239029
45	Hot Catalyst Tank Class A	-	1	268907.00	268907
46	Hot Catalyst Tank Class A	-	1	268907.00	268907
47	Catalyst Hopper (Atmospheric)	-	1	2062.00	2062
48	Regeneration Flue Gas Critical Flow-Rate Maintenance-Free Apparatus	-	1	50505.00	50505
49	Combustion Supporting Agent Feeding Tank Class A	-	1	530.00	530
50	Combustion Supporting Agent And Hopper (Atmospheric)	-	1	206.00	206
51	Gas Water Seal Tank Class A	-	1	45270.00	45270
52	Catalyst Tank Class A	-	1	69846.00	69846
53	Catalyst Automatic Feeder	-	1	67340.00	67340
54	Three Stage Cyclone Separator Class A	-	1	1012620.00	1012620
55	Four Stage Cyclone Separator Class A	-	1	67340.00	67340
56	Regeneration Flue Gas Decompression Orifice Plate Class A	-	1	105838.00	105838
57	Fractionating Tower Oil Gas Separator Class B	-	1	85656.00	85656
58	Raw Oil Buffer Tank / Back To The Mixing Tank Class B	-	1	261390.00	261390
59	Sealing Oil Tank (Atmospheric)	-	1	4436.00	4436
60	Air Compressor Outlet Oil Gas Separator Class C	-	1	111348.00	111348
61	Stabilizertop Return Tank Class B	-	1	60606.00	60606
62	Dry Gas Liquid Separation Tank Class B	-	1	5050.00	5050
63	Condensation Tank Class A	-	1	1697.00	1697
64	Entrance Pressure Machine Oil Gas Separator Class A	-	1	8141.00	8141
65	Acidic Water Buffer Tank Class A	-	1	12929.00	12929
66	Nitrogen Tank Class A	-	1	6465.00	6465
67	Torch Gas Liquid Separation Tank Class A	-	1	98343.00	98343
68	Light Slop Tank (Atmospheric)	-	1	7784.00	7784

69	Pressure Machine Hydraulic Feeding Entrance Condensate Tank Class B	-	2	4889.00	9778
70	Torch Gas Hydraulic Feed Tank Class B	-	1	4889.00	4889
71	Purified Compressed Air Tank (1) Class A	-	1	20808.00	20808
72	Purified Compressed Air Tank (2) Class A	-	1	13737.00	13737
73	Non-Purified Compressed Air Tank Class A	-	1	13939.00	13939
74	The Severity Of Gas Separation Tower Top Reflux Tank Class B	-	1	26060.00	26060
75	Condensation Tank Class A	-	1	1697.00	1697
76	Medium Pressure Separator Class B	-	1	125925.00	125925
77	Medium Pressure Separator Class B	-	1	62963.00	62963
78	Continuous Blowdown Flash Tank Class A	-	1	3192.00	3192
79	Regular Unloading Container Class A	-	1	4415.00	4415
80	Water-Sealed Tank Class A	-	1	8874.00	8874
81	Water-Sealed Tank Class A	-	2	63155.00	126310
82	Cold Catalyst Tank Top Cyclone	-	1	1737.00	1737
83	Waste Catalyst Tank Top Cyclone	-	1	1737.00	1737
84	Hot Catalyst Tank Top Cyclone	-	1	1737.00	1737
85	Back-Fire Relief Valve	-	1	2020.00	2020
86	Raw Oil Mixer	-	1	4714.00	4714
87	Return Oil Mixer	-	1	4714.00	4714
88	Regeneration Flue Gas Sampler	-	1	337.00	337
89	Catalyst Tank Roof Vent	-	2	5050.50	10101
90	The Settlement Started Emptying	-	2	10942.50	21885
91	External Heat Exchanger Started Emptying	-	1	10943.00	10943
92	External Heat Exchanger Started Emptying	-	1	8417.00	8417
93	Oil And Gas Pipeline Started Emptying	-	1	10943.00	10943
94	Steam Ejector	-	1	15151.00	15151
95	Steam Ejector	-	1	15151.00	15151
96	Crude Oil Closed Sampler	-	1	2020.00	2020
97	Back To The Refinery Closed Sampler	-	1	2020.00	2020
98	Crude Gasoline Closed Sampler	-	1	2020.00	2020
99	Light Diesel Oil Sealed Sampler	-	1	2020.00	2020
100	Top Circulation Oil Sealed Sampler	-	1	2020.00	2020
101	Fractionation Of A Closed Sampler	-	1	2020.00	2020
102	Slurry Oil Sealed Sampler	-	1	2020.00	2020
103	Fractionating Tower Oil Gas Separator Gas Sealed Sampler	-	1	2020.00	2020
104	Dry Gas Sealing Sampler	-	1	2020.00	2020
105	Stabilized Gasoline Closed Sampler	-	1	2020.00	2020
106	Stabilizerfeeding Closed Sampler	-	1	2020.00	2020
107	Absorberfeeding Closed Sampler	-	1	2020.00	2020
108	Liquefied Petroleum Gas Sealed Sampler	-	1	2020.00	2020
109	Light Gasoline Closed Sampler	-	1	2020.00	2020
110	Heavy Oil Sealed Sampler	-	1	2020.00	2020
111	Riser Feeding Nozzle	-	10	13467.90	134679

112	Chemical Injection System Sets 1 Sets Of /3 Group	-	1	151514.00	151514
113	Rotary Membrane Deaerator And Water Tank	-	1	50505.00	50505
114	Silencer	-	1	5892.00	5892
115	Silencer	-	1	5050.00	5050
116	Silencer	-	1	5892.00	5892
117	Silencer	-	1	3367.00	3367
118	Silencer	-	1	5050.00	5050
119	Silencer	-	1	5050.00	5050
120	Back-Fire Relief Valve	-	2	2525.00	5050
121	Back-Fire Relief Valve	-	2	1683.50	3367
122	Dosing Device	-	1	42087.00	42087
123	Temperature-Decreased Pressure Reducer	-	1	42087.00	42087
124	Desuperheater	-	1	33670.00	33670
125	Main Air Blower	-	1	4377075.00	4377075
126	Hood	-	1	1163541.00	1163541
127	Primary Spare Fan	-	1	3737349.00	3737349
128	Rich Gas Compressor	-	1	2885503.00	2885503
129	Supercharger	-	2	126262.00	252524
130	Raw Oil Pump	-	2	21963.00	43926
131	Crude Gasoline Pump	-	2	55286.00	110572
132	Acid Water Pump	-	2	20582.50	41165
133	Top Circulating Reflux Pump	-	2	46740.50	93481
134	Light Diesel Oil Pump	-	2	19050.50	38101
135	Absorption Pump	-	2	12809.50	25619
136	Fractionation Of Middle Circulation	-	2	21035.00	42070
137	Recycle Pump	-	2	18579.00	37158
138	Oil Circulating Pump	-	2	77577.00	155154
139	Seal Oil Pump	-	2	22644.50	45289
140	Light Sump Pump	-	1	18039.00	18039
141	Intermediate Condenser Pressure Machine	-	2	41478.00	82956
142	Desorbercharge Pump	-	2	21727.00	43454
143	Absorberbottom Pump	-	2	20730.50	41461
144	Absorption I Reflux Pump	-	2	14872.00	29744
145	Absorption Ii Reflux Pump	-	1	15358.00	15358
146	Stabilizertop Return	-	2	18914.00	37828
147	Stabilized Gasoline Pump	-	2	15491.50	30983
148	Stabilizer Charge Pump	-	2	19626.00	39252
149	Heavy Gasoline Pump	-	2	17350.00	34700
150	Light Gasoline Pump	-	2	14496.50	28993
151	Boiler Feed Pump	-	2	109427.00	218854
152	Sewage Lifting Pump	-	2	11313.00	22626
153	Main Air Blower Outlet One-Way Valve Dn1100	-	1	47979.00	47979
154	Main Air Duct Check Valve Dn1100	-	1	47979.00	47979
155	Preparation Of Machine Of Main Fan Outlet Check Valve Dn1000	-	1	41582.00	41582
156	Regeneration Cycle Single Acting Valve Dn1200	-	1	143938.00	143938
157	Circular Single Valve Dn550	-	1	79966.00	79966

158	External Heat Return Pipe Single Valve Dn800	-	1	95959.00	95959
159	Regeneration Of Single Valve Dn1000	-	1	119949.00	119949
160	Single Moving Slide Valve Dn1000	-	1	119949.00	119949
161	Double Slide Valve Dn1400	-	1	175925.00	175925
162	Hood Entrance High Temperature Gate Valve Dn1200	-	1	255891.00	255891
163	Hood Entrance High Temperature Butterfly Valvedn1200	-	1	255891.00	255891
164	Pressure Machine To Put The Torch Butterfly Valve Dn600	-	1	58249.00	58249
165	Air Compressor Outlet Pneumatic Valve Dn300	-	1	15993.00	15993
166	Entrance Pressure Machine Pneumatic Butterfly Valve Dn600	-	1	23990.00	23990
167	Turbocharger Outlet Damping One-Way Valve Dn250	-	1	9596.00	9596
168	Electric Double Girder Crane (Main Air Blower Workshop)	-	1	101009.00	101009
169	Twin Beam Overhead Crane (Rich Gas Compressor Plant)	-	1	33670.00	33670
170	Explosion-Proof Electric Hoist	-	1	6734.00	6734
171	Oil Mist System	-	1	67340.00	67340
172	Hand Chain Hoist And Monorail Trolley	-	4	336.75	1347
173	Emptying Silencer	-	3	5050.33	15151
174	Lubricating Oil Filter	-	2	16835.00	33670
175	Waste Heat Boiler	Ton	500	2946.11	1473054
176	Soot Blower Control Cabinet (Anti-Explosion)	-	2	20202.00	40404
177	Boiler Blower 9-19no7.1d	-	2	53871.50	107743
178	Auxiliary Combustion Chamber	-	1	71262.00	71262
179	Power Transformer	-	1	286193.00	286193
180	Power Transformer	-	1	235689.00	235689
181	Medium Voltage Switch Cabinet	-	20	18518.40	370368
182	A Total Of 18 Microcomputer Based Protection Device	-	2	5050.50	10101
183	The Low-Voltage Drawer Switch Cabinet	-	62	9595.90	594946
184	Frequency Conversion Cabinet 185kw	-	1	22727.00	22727
185	Frequency Conversion Cabinet 160kw	-	1	19394.00	19394
186	Frequency Conversion Cabinet 132kw	-	1	16000.00	16000
187	Frequency Conversion Cabinet 90kw	-	1	10909.00	10909
188	High Voltage Reactive Compensation Cabinet	-	1	75757.00	75757
189	Outdoor Distribution Box	-	9	2020.22	18182
190	Distribution Box	-	5	2525.20	12626
191	Explosion-Proof Operation Column (With Ammeter)	-	50	168.34	8417
192	Explosion-Proof Operation Column	-	150	151.51	22727
193	Explosion Proof Lighting Distribution Box (12 Loop)	-	14	2020.21	28283
194	Wireless Intercom (Cluster Type, Explosion-Proof Type)	-	6	841.67	5050
195	Explosion Proof Type Manual Alarm Button	Set	24	168.33	4040

196	Flame Detector	Set	6	2020.17	12121
197	The Explosion-Proof Cable Junction Box	-	5	757.60	3788
198	Explosion Proof Type Amplifying Intercom Station	Set	19	2525.21	47979
199	Explosion Proof Type Outdoor Speakers	-	19	336.68	6397
200	Explosion-Proof Type Outdoor Speakers(With Drive)	-	9	336.67	3030
201	Explosion Proof Type System Cable Junction Box	-	50	757.58	37879
202	Explosion-Proof Integrated Color Camera	Set	6	6734.00	40404
203	Explosion Proof Type Combined Box	-	6	841.67	5050
204	Double Metal Thermometer (Flanged Connection Sleeve)	-	82	84.17	6902
205	With Spring Leakage Proof Wear-Resisting Armoured "K" Type Thermocouple	-	62	1010.10	62626
206	With Spring Leakage Proof Wear-Resisting Armoured "S" Type Thermocouple	-	7	1515.14	10606
207	With Spring Heat Leakage Insulation Armoured "K"	-	3	505.00	1515
208	With Spring Vibration Leakage Resistance To Install "K" Type Thermocouple	-	119	168.35	20034
209	Ordinary Stainless Steel Pressure Gauge	-	262	37.04	9704
210	Vibration Resistant Stainless Steel Pressure Gauge	-	35	60.60	2121
211	Vibration Proof Diaphragm Stainless Steel Pressure Gauge	-	8	318.13	2545
212	Vacuum Manometer	-	8	84.13	673
213	Stainless Steel Diaphragm Pressure Gauge	-	19	303.05	5758
214	Flange Pressure Hole Platedn50	Set	1	409.00	409
215	Flange Pressure Hole Platedn80	Set	5	545.40	2727
216	Flange Pressure Hole Platedn100	Set	4	681.75	2727
217	Flange Pressure Hole Platedn150	Set	14	818.14	11454
218	Flange Pressure Hole Platedn200	Set	10	1090.90	10909
219	Flange Pressure Hole Platedn250	Set	4	1227.25	4909
220	Flange Pressure Hole Platedn300	Set	3	1363.67	4091
221	Flange Pressure Hole Platedn350	Set	1	1636.00	1636
222	Flange Pressure Hole Platedn400	Set	1	1909.00	1909
223	Flange Pressure Hole Platedn450	Set	1	2182.00	2182
224	Flange Pressure Hole Platedn50	Set	2	545.50	1091
225	Flange Pressure Hole Platedn100	Set	1	818.00	818
226	Flange Pressure Hole Platedn150	Set	1	1091.00	1091
227	Flange Pressure Hole Platedn80	Set	1	1061.00	1061
228	Flange Pressure Hole Platedn150	Set	1	1515.00	1515
229	Flange Pressure Hole Platedn300	Set	1	2424.00	2424
230	Wedge Flow Meter Dn50	Set	2	5892.00	11784
231	Wedge Flow Meter Dn150	Set	1	7407.00	7407
232	Wedge Flow Meter Dn200	Set	1	11784.00	11784

233	Wedge Flow Meter Dn250	Set	3	14814.67	44444
234	Wedge Flow Meter Dn80	Set	1	5892.00	5892
235	Wedge Flow Meter Dn150	Set	1	7407.00	7407
236	Wedge Flow Meter Dn200	Set	2	11784.50	23569
237	Wedge Flow Meter Dn350	Set	1	14815.00	14815
238	Flow Nozzole	Set	1	3367.00	3367
239	Venturi Tubedn100	Set	4	1851.75	7407
240	Venturi Tubedn200	Set	1	2290.00	2290
241	Venturi Tubedn300	Set	1	2862.00	2862
242	Venturi Tubedn700	Set	1	10017.00	10017
243	Venturi Tubedn1100	Set	1	13468.00	13468
244	Ultrasonic Flowmeter	-	1	50505.00	50505
245	Mass Flowmeter 4″	-	3	18244.67	54734
246	Electromagnetic Flowmeter Ansi 150lb 8″	-	1	10606.00	10606
247	Glass Plate Liquid Level Gauge (Circle)	-	56	505.05	28283
248	Magnetostrictive Liquid Level Meter	-	1	5387.00	5387
249	Floating Ball Level Meter	-	1	6734.00	6734
250	Rf Level Meter	-	3	13636.33	40909
251	Steel Liquid Level Switch (Carbon Steel) Pn5.0	-	1	2273.00	2273
252	Intelligent Pressure Transmitter	-	54	925.93	50000
253	Intelligent Pressure Transmitter	-	108	1094.27	118181
254	Intelligent Double Flange Level Transmitter	-	27	2020.19	54545
255	Intelligent Dual Flange Differential Pressure Transmitter	-	12	2020.17	24242
256	Safety Barrier	-	520	101.01	52525
257	Surge Protective Device	-	1000	84.18	84175
258	Signal Isolator	-	6	168.33	1010
259	Power Supply Cabinet	-	1	3367.00	3367
260	Safety Barrier Cabinet	-	3	3367.00	10101
261	Surge Protective Device Cabinet	-	3	3367.00	10101
262	Terminal Cabinet	-	1	3367.00	3367
263	Auxiliary Instrument Cabinet	-	1	3367.00	3367
264	Redundant Dc Power Supply (30a)	-	4	13468.00	53872
265	Laser Analyzer	Set	1	151514.00	151514
266	Lazer Monitoring System	Set	1	117844.00	117844
267	Combustible Gas Detector	Set	46	1010.09	46464
268	Toxic Gas Detector (H2s)	-	11	1010.09	11111
269	Portable Type Combustible Gas Detector	-	2	1515.00	3030
270	Portable Type Toxic Gas Detector	-	2	1515.00	3030
271	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Dn25	-	3	841.67	2525
272	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Dn40	-	7	1010.14	7071
273	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Dn50	-	4	1178.50	4714

274	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Dn80	-	5	2693.60	13468
275	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Dn100	-	10	4208.70	42087
276	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Dn150	-	7	8417.43	58922
277	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Dn40	-	3	2020.33	6061
278	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Dn80	-	4	5050.50	20202
279	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Dn100	-	1	7576.00	7576
280	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Dn200	-	1	15151.00	15151
281	Low Noise Valve(Not Including Electric / Pneumatic Valve Locator)Dn200	-	1	13468.00	13468
282	Eccentric Rotary Valve (The Valve Electrical Valve Positioner)Dn40	-	1	4209.00	4209
283	Eccentric Rotary Valve (The Valve Electrical Valve Positioner)Dn80	-	1	6734.00	6734
284	Eccentric Rotary Valve (The Valve Electrical Valve Positioner)Dn100	-	2	12121.00	24242
285	Eccentric Rotary Valve (The Valve Electrical Valve Positioner)Dn150	-	3	13594.33	40783
286	Eccentric Rotary Valve (The Valve Electrical Valve Positioner)Dn200	-	8	13973.00	111784
287	Eccentric Rotary Valve (The Valve Electrical Valve Positioner)Dn250	-	3	19318.00	57954
288	Eccentric Rotary Valve (The Valve Electrical Valve Positioner)Dn300	-	1	25252.00	25252
289	Eccentric Rotary Valve (The Valve Electrical Valve Positioner)Dn350	-	1	37037.00	37037
290	Eccentric Rotary Valve (The Valve Electrical Valve Positioner)Dn40	-	1	5387.00	5387
291	Eccentric Rotary Valve (The Valve Electrical Valve Positioner)Dn80	-	1	8922.00	8922
292	Eccentric Rotary Valve (The Valve Electrical Valve Positioner)Dn100	-	1	10606.00	10606
293	Eccentric Rotary Valve (The Valve Electrical Valve Positioner)Dn150	-	2	15993.00	31986
294	Eccentric Rotary Valve (The Valve Electrical Valve Positioner)Dn200	-	2	25757.50	51515
295	Eccentric Rotary Valve (The Valve Electrical Valve Positioner)Dn250	-	1	40404.00	40404
296	Eccentric Rotary Valve (The Valve Electrical Valve Positioner)Dn300	-	1	57239.00	57239

297	High Performance Butterfly Valves (Excluding Electric / Pneumatic Valve Locator) Dn100	-	2	3367.00	6734
298	High Performance Butterfly Valves (Excluding Electric / Pneumatic Valve Locator) Dn250	-	2	8417.50	16835
299	High Performance Butterfly Valves (Excluding Electric / Pneumatic Valve Locator) Dn250	-	1	10101.00	10101
300	High Performance Butterfly Valves (Excluding Electric / Pneumatic Valve Locator) Dn400	-	2	15151.50	30303
301	High Performance Butterfly Valves (Excluding Electric / Pneumatic Valve Locator) Dn300	-	1	25252.00	25252
302	Cylinder Valve (Not Including Electromagnetic Valve)Dn200	-	2	9848.50	19697
303	Cylinder Valve (Not Including Electromagnetic Valve)Dn250	-	1	14815.00	14815
304	Flameproof Electromagnetic Valve	-	8	1010.13	8081
305	Electric / Pneumatic Valve Locator	-	50	1010.10	50505
306	Instrument Insulation Protection Box	-	20	336.70	6734
307	The Explosion-Proof Junction Box	-	20	505.05	10101
308	Security Inspection System	Set	1	15151.00	15151
309	Bimetallic Thermometerpn5.0	-	12	84.17	1010
310	Bimetallic Thermometerpn11.0	-	5	101.00	505
311	With Spring Vibration Leakage Armored "K" Type Thermocouple Ansi 150lb Rf	-	14	151.50	2121
312	With Spring Vibration Leakage Armored "K" Type Thermocouple Ansi 300lb Rf	-	5	168.40	842
313	With Spring Vibration Leakage Armored "K" Type Thermocouple Ansi 600lb Rf	-	12	218.83	2626
314	With Spring Vibration Leakage Armored "K" Type Thermocouple Ansi 150lb Rf	-	4	1515.25	6061
315	Ordinary Stainless Steel Pressure Gauge	-	60	37.03	2222
316	Vibration Resistant Stainless Steel Pressure Gauge	-	8	60.63	485
317	Membrane Box Stainless Steel Pressure Gauge	-	6	168.33	1010
318	Throttling Setdn150	Set	3	818.33	2455
319	Throttling Setdn200	Set	1	1091.00	1091
320	Throttling Setdn40	Set	1	606.00	606
321	Throttling Setdn50	Set	2	757.50	1515
322	Throttling Setdn150	Set	1	1061.00	1061
323	Throttling Setdn200	Set	3	1439.33	4318
324	Throttling Setdn250	Set	1	1667.00	1667
325	Flow Nozzole	Set	1	3367.00	3367
326	Flow Nozzoledn250	Set	2	2525.00	5050
327	Flow Nozzoledn350	Set	1	3367.00	3367
328	Bidirectional Orifice Plate Pn5.0 Wcb Dn300	Set	1	2525.00	2525
329	Bidirectional Orifice Plate Pn11.0 15crmog Dn250	Set	1	2525.00	2525

330	Venturi Tube	Set	2	10017.00	20034
331	Glass Plate Liquid Level Gauge (Circle)	-	4	505.00	2020
332	Float Level Gauge	-	1	4209.00	4209
333	Magnetostrictive Liquid Level Meter	-	1	5387.00	5387
334	Intelligent Pressure Transmitter	-	39	925.92	36111
335	Intelligent Pressure Transmitter	-	23	1094.26	25168
336	Intelligent Double Flange Level Transmitter	-	1	2020.00	2020
337	Intelligent Differential Pressure Liquid Level Transmitter	-	4	1683.50	6734
338	Safety Barrier	-	130	101.01	13131
339	Surge Protective Device	-	200	84.18	16835
340	Electric Relay	-	60	84.17	5050
341	Zirconia Oxygen Analyzer	Set	1	15151.00	15151
342	Continuous Emission Monitoring System For Flue Gas	Set	1	92592.00	92592
343	Single-Seat Valve Ansi 300lb Wcb 2″	-	1	1010.00	1010
344	Single-Seat Valve Ansi 300lb Wcb 6″	-	2	8417.50	16835
345	Single-Seat Valve Ansi 300lb Wcb 8″	-	1	10101.00	10101
346	Single-Seat Valve Ansi 600lb Wcb 8″	-	1	11784.00	11784
347	High Voltage Cage Type Valve Ansi 600lb Wcb6″	-	1	10101.00	10101
348	High Voltage Cage Type Valve6″(Leakage Class V Grade)	-	1	13468.00	13468
349	High Voltage Cage Type Valve8″(Leakage Class V Grade)	-	1	15151.00	15151
350	High Voltage Cage Type Valveansi 600lb 15crmog10″	-	1	15151.00	15151
351	Multistage Depressurization Valve 1″	-	2	4208.50	8417
352	Multistage Depressurization Valve 1-1/2″	-	1	5050.00	5050
353	Multistage Depressurization Valve 2″	-	2	5892.00	11784
354	High Performance Butterfly Valvesansi 150lb 28″ Wcb	-	2	33670.00	67340
355	Cylinder Valve Ansi 600lb Wcb686″	-	6	6734.00	40404
356	Cylinder Valve Ansi 600lb Wcb3″	-	3	7575.67	22727
357	Cylinder Valve Ansi 600lb 15crmog2″	-	1	8417.00	8417
358	Cylinder Valve Ansi 300lb Wcb1-1/2″	-	1	5303.00	5303
359	Cylinder Valve Ansi 300lb Wcb6″	-	1	9091.00	9091
360	Cylinder Butterfly Valve Ansi 150lb 28″ Rf Wcb	-	1	16835.00	16835
361	Automatic Control Valve	-	1	3788.00	3788
362	Flameproof Electromagnetic Valve	-	25	1010.08	25252
363	Intelligent Electrical Valve Positioner	-	20	1010.10	20202
364	Explosion-Proof Junction Box	-	10	505.00	5050
365	Boiler Balance Container	-	4	1683.50	6734
366	Portable Mf8 Type Dry Powder Fire Extinguisher	-	222	33.67	7475
367	Small Fire Extinguisher Box (3 Installed)	-	74	30.30	2242
368	Cart Type Mft35 Type Dry Powder Fire Extinguisher	-	11	252.55	2778

369	Air Breathing Apparatus, Gas Masks, Overalls	Batch	1	31868.00	31868
	Total				41063364
3.Flue Gas Desulfurization					
1	Cooling Absorber	-	1	2935018.00	2935018
2	Nozzle, Filter Module	Set	1	1834383.00	1834383
3	Lye Tank (Atmospheric)	-	1	12830.00	12830
4	Solids Contact Clarifier (Atmospheric)	-	1	81628.00	81628
5	Oxidation Tank	-	3	51133.33	153400
6	Drainage Tank (Atmospheric)	-	1	63976.00	63976
7	Filter Tank (Atmospheric)	-	2	4750.50	9501
8	Drain Cooler	-	1	220294.00	220294
9	Flocculant Adding Facilities	-	1	21207.00	21207
10	Discharge Filter	-	1	28275.00	28275
11	Chilled Water Pump	-	3	47672.33	143017
12	Filter Pump	-	2	39501.00	79002
13	Lye Pump	-	2	5591.00	11182
14	Water Supply Pump	-	2	5655.00	11310
15	Filtrate Pump	-	1	8529.00	8529
16	Drainage Pump	-	2	5732.00	11464
17	Oxidation Air Blower	-	2	26649.50	53299
18	High Voltage Switchgear 10kv,31.5ka	-	3	15551.33	46654
19	Low Voltage Switchgear Mns,0.4kv,65ka	-	6	7775.67	46654
20	Re-Start Cabinet	-	1	28275.00	28275
21	Explosion-Proof Power Supply Panal Bxx51-4/	Set	6	1696.50	10179
22	Explosion-Proof Operation Column With Current Meter	Set	26	141.38	3676
23	Explosion Proof Lighting Distribution Boxbxm53-12w	Set	2	1414.00	2828
24	Explosion-Proof Junction Box Of Stainless Steel	-	10	282.80	2828
25	Explosion Proof Device Of Optical Defocus Adjustable	Set	1	5655.00	5655
26	Combination Box Includes A Cable Box, Optical Transceiver	Set	1	707.00	707
27	Explosion Proof Chamber Wall Hanging Type Telephone Station Sets Of System	Set	1	2121.00	2121
28	Explosion Proof Outdoor Speakers And Explosion-Proof Telephone Station Set	-	1	1131.00	1131
29	Explosion Proof Outdoor Speakers Belt Drive	-	1	1131.00	1131
30	Bimetallic Thermometer 1-1/2″Ansi300lb Rf	-	2	70.50	141
31	Leakage Proof Armored ″K″ Type Thermocouple 1-1/2″ Ansi300lb Rf	-	4	113.00	452
32	Temperature Transmitter 1-1/2″Ansi300lb Rf	-	6	706.83	4241
33	Intelligent Temperature Transmitter	-	4	565.50	2262
34	All Stainless Steel Pressure Gauge	-	1	31.00	31
35	All Stainless Steel Vibration-Proof Pressure Gauge	-	4	51.00	204
36	Capsule Pressure Gauge	-	1	106.00	106

37	Seal Pressure Gauge	-	3	141.33	424
38	Diaphragm Pressure Gauge	-	10	169.70	1697
39	Flange Pressure Hole Plate4″ Ansi300lb Rj	Set	1	424.00	424
40	Venturi Tube6″ Ansi150lb Rj	Set	1	2828.00	2828
41	Electromagnetic Flow Meter1/2″ Ansi 150 Rf	Set	4	2120.75	8483
42	Electromagnetic Flowmeter1″ Ansi 150 Rf	Set	1	2403.00	2403
43	Electromagnetic Flowmeter2″ Ansi 150 Rf	Set	2	2827.50	5655
44	Electromagnetic Flowmeter3″ Ansi 150 Rf	Set	1	3534.00	3534
45	Radar Liquid Level Meter 2″ Ansi150lb Rf	-	2	7069.00	14138
46	Double Flange Level Transmitter2″ Ansi 300 Rf	-	4	1484.50	5938
47	Intelligent Pressure Transmitter	-	1	778.00	778
48	Single Flange Smart Pressure Transmitter	-	4	1272.50	5090
49	Intelligent Pressure Transmitter	-	2	848.50	1697
50	Double Flange Differential Pressure Transmitter 2″Ansi150lb Rf	-	1	1414.00	1414
51	Signal Distributor	-	6	494.83	2969
52	Analog Input Isolated Gate	-	47	84.83	3987
53	Analog Output Isolated Gate	-	12	84.83	1018
54	Flue Gas Measurement System With Cms	Set	1	169653.00	169653
55	Combustible Gas Detection Alarm	-	3	848.33	2545
56	Portable Combustible Gas Detection Alarm	-	1	1272.00	1272
57	PH Meter	Set	7	3534.43	24741
58	Regulating Valve1″	-	5	2827.60	14138
59	Regulating Valve1-1/2″	-	1	3534.00	3534
60	Regulating Valve2″	-	1	4241.00	4241
61	Regulating Valve4″	-	1	5655.00	5655
62	On/Off Pneumatic Butterfly Valve 8″	-	2	8482.50	16965
63	On/Off Pneumatic Tube Pinch Valve 2″	-	1	5938.00	5938
64	Explosion-Proof Junction Box Of Stainless Steel	-	12	282.75	3393
65	Instrument Insulation Protection Box Of Stainless Steel	-	2	141.50	283
66	DC Regulated Power Supply	Set	4	2827.50	11310
67	Power Supply Cabinet	Set	1	4948.00	4948
68	Safety Barrier&Terminal Cabinet	Set	1	2828.00	2828
69	Transmitter Rainproof Cover	-	40	42.43	1697
70	Full Cover Of Self-Inhalation Filter Type Respirator	-	4	353.50	1414
71	Work Clothes, Hats, Shoes, Gloves (General Equipment)	Set	4	141.50	566
72	Safety Cap	-	4	42.50	170
73	Earplug	-	4	0.75	3
74	Ear Muffle	-	4	14.25	57
75	Gas Control Cabinet	-	4	282.75	1131
76	Chemical Liquid Lens	-	4	14.25	57

77	Chemical Hazards Gloves	-	4	14.25	57
78	Light Chemical Protective Clothing	Set	1	424.00	424
79	Wind Vane	-	2	283.00	566
	Total				6177654
4.Fcc Gasoline Hydro-Desulphurization Unit					
1	Primary Reactor Class C	-	1	204276.00	204276
2	Secondary Reactor Class C	-	1	396880.00	396880
3	Circulating Hydrogen Desulphurization Tower Class C	-	1	89199.00	89199
4	Stripper Class B	-	1	64571.00	64571
5	Secondary Reactor Product/ Mixed Feedstock Heat Exchanger Class B	-	1	311278.00	311278
6	Secondary Reactor Product/ Mixed Feedstock Heat Exchanger Class B	-	1	185470.00	185470
7	Furnace Feed Heat Exchanger Class B	-	1	220489.00	220489
8	The Reaction Product Of Water Cooler Class B	-	1	41342.00	41342
9	Tower Feed Heat Exchanger Class B	-	4	19455.00	77820
10	The Stripper Bottom Reboiler Class B	-	1	46911.00	46911
11	Stripper Overhead Cooler Class B	-	1	33722.00	33722
12	The Product Cooler Class B	-	1	29182.00	29182
13	Reaction Products Of Air Cooler	-	4	59750.75	239003
14	Raw Oil Buffer Tank Class A	-	1	50583.00	50583
15	The Gas-Liquid Separation Tank Class B	-	1	93870.00	93870
16	Circulating Hydrogen Condensation Device	-	1	90790.00	90790
17	The Compressor Entrance Liquid Tank Class B	-	1	23086.00	23086
18	Stripping Tower Top Reflux Tank Class B	-	1	11965.00	11965
19	Blow-Down Drum Class A	-	1	7782.00	7782
20	Fuel Gas Scrubber Class A	-	1	3891.00	3891
21	Fixed Bed Reactor Class B	-	2	130056.00	260112
22	Gasoline Filter Tower Class B	-	1	30656.00	30656
23	The Alkaline Washing Tank Class B	-	1	44746.00	44746
24	Gasoline Sink Tank Class B	-	1	46692.00	46692
25	Auxiliary Tank Class B	-	1	13618.00	13618
26	Anti Adhesive Agent Dissolving Tankclass B	-	1	4864.00	4864
27	Anti Adhesive Agent Tank Class B	-	1	10700.00	10700
28	Blow-Down Drum Class B	-	2	2334.50	4669
29	Lye Tank (Atmospheric)	-	1	7579.00	7579
30	Underground Residue Tankclass A	-	1	6333.00	6333
31	Gas Liquid Separation Tank Class A	-	1	3502.00	3502
32	Circulating Hydrogen Compressor	-	2	328301.50	656603
33	Heavy Oil Filter	-	1	64850.00	64850
34	Evacuator (Ceremonies)	-	1	7296.00	7296
35	Silencer(Ej-101 Export)	-	1	5836.00	5836
36	Note The Vulcanizing Agent Complete Facilities	-	1	32425.00	32425
37	Back-Fire Relief Valve	-	2	2188.50	4377
38	Back-Fire Relief Valve	-	2	3648.00	7296
39	Heavy Gas Sampler	-	1	1945.00	1945

40	Separation Of Oil Sampler	-	1	1945.00	1945
41	Acidic Water Sampler	-	1	1945.00	1945
42	Before Desulfurization Of Circulating Hydrogen Sampler	-	1	1945.00	1945
43	After The Desulfurization Of Circulating Hydrogen Sampler	-	1	1945.00	1945
44	New Hydrogen Sampler	-	1	1945.00	1945
45	Hydrogen Mixture Gas Sampler	-	1	1945.00	1945
46	Lean Amine Liquid Sampler	-	1	1945.00	1945
47	The Rich Amine Liquid Sampler	-	1	1945.00	1945
48	Refined Heavy Gas Sampler	-	1	1945.00	1945
49	Stripping Tower Gas Sampler	-	1	1945.00	1945
50	Stripping Tower Top Reflux Liquid Sampler	-	1	1945.00	1945
51	Gasoline - Lye Mixer	-	1	4523.00	4523
52	Gasoline Air Mixer	-	1	4523.00	4523
53	Gasoline Airtight Sampler	-	3	2432.00	7296
54	Exhaust Closed Sampler	-	1	2432.00	2432
55	Circulating Hydrogen Compressor	-	2	656603.00	1313206
56	Reactor Feed Pump	-	2	96464.00	192928
57	Water Injection Pump	-	2	11024.50	22049
58	The Lean Amine Pump	-	2	27561.00	55122
59	Stripping Tower Top Reflux Pump	-	2	6614.50	13229
60	Stripper Bottom Discharging Pump	-	2	10335.50	20671
61	Emptying Pump	-	1	5788.00	5788
62	(Dmds Pump Portable Pump)	-	1	4134.00	4134
63	Prealkali Washing Circulating Pump	-	2	2469.00	4938
64	Finished Motor Gasoline Pump	-	2	4126.00	8252
65	Lye Pump	-	2	3184.00	6368
66	Underground Sludge Pump	-	1	2756.00	2756
67	Auxiliary Pump	-	2	2067.00	4134
68	Auxiliary Feed Pump	-	1	2756.00	2756
69	Anti Adhesive Agent Pump	-	1	2756.00	2756
70	Anti Adhesive Agent Pump	-	2	2067.00	4134
71	Compressor Repair With Crane	-	1	81711.00	81711
72	Reactor For Overhaul Of Trolley And Hoist	-	1	2432.00	2432
73	Catalyst Loading And Unloading Gourd	-	2	4377.50	8755
74	Turbolator Air Preheater	Ton	8	2383.25	19066
75	Soot Blower Control Cabinet (Explosion)	-	1	8106.00	8106
76	Blowing Machine G4-79no4.5a	-	1	12970.00	12970
77	Medium Voltage Switch Cabinet (12kv 31.5ka 1250a)	-	6	17833.67	107002
78	Low-Voltage Drawer Switch Cabinet	-	17	9241.06	157098
79	Outdoor Explosion-Proof Power Supply Panal	-	4	1945.50	7782
80	Outdoor Explosion-Proof Power Distribution Box	-	1	2432.00	2432
81	Explosion-Proof Operation Column (With Current Meter)	-	10	162.10	1621
82	Explosion-Proof Operation Column	-	50	145.92	7296
83	Explosion Proof Lighting Distribution Box	-	5	1945.40	9727

84	Grounding Inspection Well	-	6	324.17	1945
85	Wireless Intercom (Cluster Type Explosion-Proof Type)	-	4	810.50	3242
86	Explosion Proof Type Manual Alarm Button	Set	6	162.17	973
87	Flame Detector	Set	6	1945.50	11673
88	Electric Cable Explosion-Proof Junction Box (24 Pair Ends)	-	2	729.50	1459
89	Explosion Proof Type Amplifying Intercom Station	Set	8	2431.88	19455
90	Explosion-Proof Type Outdoor Speakers	-	8	324.25	2594
91	Explosion-Proof Type Outdoor Speakers(With Drive)	-	4	324.25	1297
92	Explosion Proof Type System Electric Cable Junction Box	-	23	729.57	16780
93	Explosion-Proof Integrated Color Camera	Set	5	6485.00	32425
94	Explosion Proof Type Combined Box	-	5	810.60	4053
95	Double Metal Thermometer Protective Pipe Material316ss	-	27	81.07	2189
96	Double Metal Thermometer Protective Pipe Material321ss	-	1	97.00	97
97	Leakproof Sheathed Thermocouple Protection Tube Material Gh39	-	2	146.00	292
98	Leakproof Sheathed Thermocouple Protection Tube Material 316ss	-	5	146.00	730
99	Leakproof Sheathed Thermocouple Protection Tube Material 316ss	-	28	145.93	4086
100	Leakproof Sheathed Thermocouple Protection Tube Material 321ss	-	3	146.00	438
101	Leakproof Sheathed Thermocouple Protection Tube Material 321ss	-	6	218.83	1313
102	3 Thermocouple (T-Bar)	-	12	10213.83	122566
103	Stainless Steel Pressure Gauge	-	67	35.67	2390
104	Stainless Steel Vibration-Proof Pressure Gauge	-	31	58.35	1809
105	Class300 Concentric Orifice Dn200 (Carbon Steel)	Set	1	1051.00	1051
106	Class300 Concentric Orifice Dn150 (Carbon Steel)	Set	4	788.00	3152
107	Class300 Concentric Orifice Dn100 (Carbon Steel)	Set	2	656.50	1313
108	Class300 Concentric Orifice Dn80 (Carbon Steel)	Set	10	525.30	5253
109	Class300 Concentric Orifice Dn50 (Carbon Steel)	Set	5	394.00	1970
110	Class300 Concentric Orifice Dn150 (Carbon Steel)	Set	1	1167.00	1167
111	The Internal Hidden Hole Plate Ansi 300lb 1 1/2″ Rf	-	2	4902.50	9805
112	The Internal Hidden Hole Plate Ansi 150lb 1″ Rf	-	1	3735.00	3735
113	Vortex Shedding Flowmeteransi150lb 3″ Rf	-	1	6201.00	6201

114	Vortex Shedding Flowmeteransi150lb 2″ Rf	-	1	5237.00	5237
115	Vortex Shedding Flowmeteransi150lb 1-1/2″ Rf	-	1	4823.00	4823
116	Vortex Shedding Flowmeteransi300lb 1-1/2″ Rf	-	1	4823.00	4823
117	Electromagnetic Flowmeteransi150lb 14″ Rf	-	1	15159.00	15159
118	Electromagnetic Flowmeteransi150lb 3″ Rf	-	1	5512.00	5512
119	Mass Flowmeteransi150lb 4″ Rf	-	2	15434.00	30868
120	Transparent Glass Plate Liquid Level Gauge	-	2	486.50	973
121	Reflective Glass Plate Liquid Level Gauge	-	24	486.38	11673
122	Magnetic Level Gauge Range4200mm	-	2	1556.50	3113
123	Magnetic Level Gauge Range3200mm	-	2	1297.00	2594
124	Magnetic Level Gauge Range2900mm	-	1	1232.00	1232
125	Magnetic Level Gauge Range500mm	-	1	584.00	584
126	Magnetic Level Gauge Range3600mm	-	2	1426.50	2853
127	Magnetic Level Gauge Range800mm	-	1	648.00	648
128	Ansi300lb 4″ Rf(316l)	-	3	908.00	2724
129	Outer Buoy Level Meteransi300lb 2″ Rf(316l)	-	25	3890.96	97274
130	Outer Buoy Level Meteransi300lb 2″ Rf	-	1	3648.00	3648
131	Magnetostrictive Liquid Level Meter	-	3	6485.00	19455
132	Intelligent Pressure Transmitter	-	30	891.67	26750
133	Intelligent Pressure Transmitter	-	29	1053.79	30560
134	Intelligent Micro Differential Pressure Transmitter	-	9	1167.33	10506
135	Intelligent Single Flange Differential Pressure Liquid Level Transmitter	-	1	1621.00	1621
136	Intelligent Dual Flange Differential Pressure Liquid Level Transmitter	-	7	1945.43	13618
137	Tc Input Safety Barrier (Belt Transmission)	-	80	97.28	7782
138	Pt100 Input Safety Barrier (Belt Transmission)	-	36	97.28	3502
139	Ai(4～20ma) Ouputsafety Barrier	-	124	97.27	12062
140	Ao(4～20ma) Output Safety Barrier	-	38	97.26	3696
141	Mvsurge Protective Device	-	80	81.06	6485
142	Pt100surge Protective Device	-	36	81.06	2918
143	4-20masurge Protective Device	-	213	81.06	17266
144	24v Dcsurge Protective Device	-	43	81.07	3486
145	220v Acsurge Protective Device	-	1	81.00	81
146	Rs485surge Protective Device	-	2	81.00	162
147	Electric Relay	-	70	81.06	5674
148	Electric / Gas Valve Locator	-	40	972.75	38910
149	Electric/Pneumatic Converter (I/P)	-	5	405.40	2027
150	In Situ Explosion-Proof Operation Column	-	1	117.00	117
151	Power Supply Cabinet	-	1	3242.00	3242

152	Safety Barrier &Surge Protective Device	-	4	3242.50	12970
153	Security Inspection System	Set	1	14591.00	14591
154	Hart Handheld Communications Device	-	1	1038.00	1038
155	Combustible Gas Detection Transmitter	-	17	972.76	16537
156	Toxic Gas Detection Transmitter	-	18	972.72	17509
157	Portable Combustible Gas Detection Transmitter	-	2	1459.00	2918
158	Portable Toxic Gas Detection Transmitter	-	2	1459.00	2918
159	Zirconium Oxide Analyzer	-	1	14591.00	14591
160	Globe Valve Ansi 300lb 10″ (347ss)	-	1	32425.00	32425
161	Globe Valve Ansi 300lb 6″(Carbon Steel)	-	1	6485.00	6485
162	Globe Valve Ansi 300lb 4″(Carbon Steel)	-	6	3242.50	19455
163	Globe Valve Ansi 300lb 3″ (Carbon Steel)	-	5	2075.20	10376
164	Globe Valve Ansi 300lb 2″(Carbon Steel)	-	4	908.00	3632
165	Globe Valve Ansi300lb 1-1/2″(Carbon Steel)	-	6	778.17	4669
166	Globe Valve Ansi 300lb 1″(Carbon Steel)	-	7	648.43	4539
167	Globe Valve Ansi 300lb 3/4″(Carbon Steel)	-	2	583.50	1167
168	Globe Valve Ansi 300lb 2″ (316ss)	-	1	1135.00	1135
169	Globe Valve Ansi 600lb 3″ Rj(Carbon Steel)	-	1	6809.00	6809
170	Globe Valve Ansi 600lb 4″ Rj(Carbon Steel)	-	1	8512.00	8512
171	Pneumatic Butterfly Valveansi 300lb 14″ (347ss)	-	2	29831.00	59662
172	Pneumatic Butterfly Valveansi 300lb 12″ (347ss)	-	1	22049.00	22049
173	Pneumatic Parallel Gate Valve Ansi 300lb 8″ (Wcb)	-	2	9987.00	19974
174	Pneumatic Parallel Gate Valve Ansi 300lb 6″ (Wcb)	-	2	7263.00	14526
175	Pneumatic Parallel Gate Valve Ansi 300lb 4″ (Wcb)	-	1	5836.00	5836
176	Pneumatic Parallel Gate Valve Ansi 300lb 2″ (Wcb)	-	1	5058.00	5058
177	Pneumatic Parallel Gate Valve Ansi 300lb 1″ (Wcb)	-	2	3891.00	7782
178	Electric Valve Ansi300lb 8 ″Rf (Steel)	-	1	14267.00	14267
179	The Self-Regulating Valve Ansi300lb 1/2 ″Rf (Steel)	-	1	3445.00	3445
180	The Explosion-Proof Junction Box	-	12	486.33	5836
181	Circulating Hydrogen Compressor Set Instrument	Set	2	7782.00	15564
182	Outdoor Ground Hydrant	Set	4	648.50	2594
183	Fire Gun Sp40a2k-1.6	-	2	1945.50	3891

184	Portable Mf8 Type Dry Powder Fire Extinguisher	-	105	32.43	3405
185	Small Fire Extinguisher Box (3 Installed)	-	35	29.17	1021
186	Cart Type Mft35 Type Dry Powder Fire Extinguisher	-	3	243.33	730
187	Eye Wash	10 Sets	0.1	9730.00	973
188	Air Breathing Apparatus, Gas Masks, Overalls Uniforms, Helmets, Cabinets, Toolbox And Other Accidents	Batch	1	26410.00	26410
	Total				6630007
5.Diesel Hydrotreating Unit					
1	Hydrotreating Reactor III	-	1	4961537.00	4961537
2	Recycle Gas Scrubber III	-	1	615645.00	615645
3	Scripper II	-	1	304023.00	304023
4	Stabilizer II	-	1	38519.00	38519
5	Reactor Product/ Mixed Feedstock Heat Exchanger III	-	2	840364.50	1680729
6	Hot Hp Vapor/Mixed Hydrogen Exchanger II	-	1	415309.00	415309
7	Hot Hp Vapor/Mixed Hydrogen Exchanger III	-	1	621422.00	621422
8	Hot Water/Product Fractionation Tower Overhead Heat Exchanger II	-	2	231058.50	462117
9	Gas Seal Gas Cooler I	-	1	1565.00	1565
10	/Stabilizer Of Naphtha Feed Heat Exchanger II	-	2	10059.00	20118
11	Stabilizer Reboiler II	-	1	6706.00	6706
12	Fractionating Tower Cooler II	-	1	30177.00	30177
13	Stabilizer Top Cooler II	-	1	12294.00	12294
14	Naphtha Cooler I	-	1	8941.00	8941
15	Refining Diesel / Cold Low Oil Heat Exchanger II	-	1	35765.00	35765
16	Fractionating Tower Gas / Water Heat Exchanger I	-	2	135610.00	271220
17	Backwash Sewage Oil Cooler I	-	1	9612.00	9612
18	Raw Oil Buffer Tank I	-	1	178086.00	178086
19	Hot High Pressure Separator III	-	1	1151195.00	1151195
20	Cold High Pressure Segregator III	-	1	323452.00	323452
21	Hot Low Pressure Separator II	-	1	190629.00	190629
22	Circulating Hydrogen Hydrocyclone Hydrocarbon Device Ii	-	1	24335.00	24335
23	Recycle Hydrogen Compressor Entrance Liquid Tank III	-	1	298118.00	298118
24	The New Hydrogen Compressor Entrance Liquid Tank II	-	2	8978.50	17957
25	Water Injection Tank I	-	1	10014.00	10014
26	Lean Amine Liquid Buffer Tank I	-	1	39342.00	39342
27	Gas Seal For Gas Liquid Separation Tank II	-	1	7712.00	7712
28	Fractionating Tower Top Reflux Tank II	-	1	25036.00	25036
29	Stabilizer Top Reflux Tank II	-	1	2146.00	2146

30	Vulcanizing Tank Ⅰ	-	1	19671.00	19671
31	Low Pressure Vent Tank Ⅱ	-	1	26824.00	26824
32	Underground Waste Oil Tank Ⅱ	-	1	14306.00	14306
33	Purified Compressed Air Tank Ⅰ	-	1	16094.00	16094
34	Sulfur Water Tank Ⅰ	-	1	7153.00	7153
35	Underground Solvent Tank Ⅰ	-	1	6438.00	6438
36	Fuel Gas Scrubber Ⅰ	-	1	7153.00	7153
37	High Pressure Vent Tank Ⅱ	-	1	42918.00	42918
38	The Rich Amine Liquid Flash Evaporation Tank Ⅰ	-	1	19671.00	19671
39	Hot High Pressure Air Cooler	-	8	61362.75	490902
40	Thermal Low Gas Air Cooler	-	1	56777.00	56777
41	Fractionating Tower Air Cooler	-	8	50291.88	402335
42	Naphtha Air Cooler	-	1	33891.00	33891
43	Refining Diesel Air Cooler	-	8	30603.13	244825
44	Raw Materials Oil Filter	-	1	295063.00	295063
45	Diesel Electric Dehydration Coalescer	-	1	160944.00	160944
46	Start Evacuating Device	-	1	3353.00	3353
47	Silencer	-	1	2682.00	2682
48	Superheated Steam Silencer	-	1	2682.00	2682
49	Back-Fire Relief Valve	-	2	2235.50	4471
50	Back-Fire Relief Valve	-	2	2235.50	4471
51	Before Desulfurization Of Circulating Hydrogen Sampler	-	1	1788.00	1788
52	After The Desulfurization Of Circulating Hydrogen Sampler	-	1	1788.00	1788
53	New Hydrogen Sampler	-	1	1788.00	1788
54	Cold Low Air Sampler	-	1	1788.00	1788
55	Raw Oil Sampler	-	1	1788.00	1788
56	Heat And Low Oil Sampler	-	1	1788.00	1788
57	Cold Low Oil Sampler	-	1	1788.00	1788
58	Fractionating Tower Gas Sampler	-	1	1788.00	1788
59	Stabilizer Top Gas Sampler	-	1	1788.00	1788
60	Sulfur Sewage Sampler	-	1	1788.00	1788
61	Rich Amine Liquid Sampler	-	1	1788.00	1788
62	Fuel Gas Sampler	-	1	1788.00	1788
63	Injection Of Corrosion Inhibitor Of Complete Sets Of Equipment	-	1	26824.00	26824
64	Note Scale Inhibitor Of Complete Sets Of Facilities	-	1	26824.00	26824
65	Note Antiwear Agent Complete Facilities	-	1	26824.00	26824
66	Circulating Hydrogen Swirling De-Hydrocarbon Facility	-	1	178826.00	178826
67	Circulating Hydrogen Swirling Deamination Of Facilities	-	1	93884.00	93884
68	New Hydrogen Compressor	-	2	1042408.50	2084817
69	Circulating Hydrogen Compressor	-	1	3028126.00	3028126
70	Raw Oil Pump Supportinginstrument	Set	2	14902.00	29804
71	Water Injection Matching Instrument	Set	2	14902.00	29804
72	Lean Solvent Pump Instrument	Set	2	14902.00	29804
73	Feed Pump	-	1	2332655.00	2332655
74	Lean Solvent Pump	-	2	134120.00	268240
75	Water Injection Pump	-	2	37255.50	74511

76	Refining Diesel Pump	-	2	35934.50	71869
77	Fractionating Tower Top Reflux Pump	-	2	14341.00	28682
78	Naphtha Pump	-	2	9890.00	19780
79	Stabilizer Top Return Pump	-	2	9410.00	18820
80	Sulfur Water Pump	-	2	9392.50	18785
81	Low Pressure Air Pump	-	1	10803.00	10803
82	Underground Sump Pump	-	1	16791.00	16791
83	Underground Solvent Pump	-	1	17327.00	17327
84	High Pressure Air Pump	-	1	10803.00	10803
85	Membrane Pump With Pneumatic Drive	-	1	3726.00	3726
86	Compressor Repair Explosion-Proof Crane	-	1	100590.00	100590
87	Lubricating Oil Filter	-	1	17883.00	17883
88	Reactor Loading And Unloading Of Cucurbit 10t Manual	-	1	2980.00	2980
89	Loading And Unloading Catalyst Of 2t Electric Hoist	-	1	8941.00	8941
90	Oil Mist System	-	1	59609.00	59609
91	Blowing Machine G4-73-11no8d	-	1	14902.00	14902
92	Induced Draft Fan Y4-73-11no10d	-	1	17883.00	17883
93	Medium Voltage Switch Cabinet（12kv 31.5ka 1250a）	-	10	16392.40	163924
94	Computer Integrated Protection Device (Import) 13 Sets	Set	3	2980.33	8941
95	Low-Voltage Drawer Switch Cabinet (Drawer Type (Fixed) Imported Components With Low Pressure Synthesis Protection)	-	30	8494.27	254828
96	Frequency Conversion Cabinet380v 15kw	-	8	2011.75	16094
97	Frequency Conversion Cabinet380v 7.5kw	-	2	1006.00	2012
98	Frequency Conversion Cabinet380v 18.5kw	-	1	2481.00	2481
99	Frequency Conversion Cabinet380v 37kw	-	1	4962.00	4962
100	Outdoor Explosion-Proof Power Supply Panal	-	4	1788.25	7153
101	Outdoor Explosion-Proof Power Distribution Box	-	3	2235.33	6706
102	Explosion-Proof Operation Column (With Current Meter)	-	13	149.00	1937
103	Explosion-Proof Operation Column	-	95	134.12	12741
104	Explosion-Proof Lighting Distribution Box	-	6	1788.33	10730
105	Grounding Inspection Well	-	6	298.00	1788
106	Wireless Intercom (Group) Explosion-Proof	-	4	745.00	2980
107	Explosion-Proof Type Manual Alarm Button	Set	12	149.00	1788
108	Explosion-Proof Flame Detector	Set	6	1788.33	10730
109	Explosion Proof Type Electric Cable Junction Box 24 Ends	-	3	670.67	2012
110	Explosion-Proof Type Amplifying Intercom Station	Set	10	2235.30	22353
111	Explosion-Proof Type Outdoor Speakers	-	10	298.00	2980

112	Explosion-Proof Type Outdoor Speakers(With Drive)	-	5	298.00	1490
113	Explosion Proof Type System Electric Cable Junction Box	-	25	670.60	16765
114	Explosion-Proof Integrated Color Camera	Set	6	5960.83	35765
115	Explosion Proof Type Combined Box	-	6	745.17	4471
116	Double Metal Thermometer Connecting Flange：600lb 1-1/2″Rf	-	1	89.00	89
117	Double Metal Thermometer Connecting Flange：300lb 1-1/2″Rf	-	22	74.50	1639
118	Leakproof Sheathed Thermocouple Protection Tube Material：Gh39	-	2	134.00	268
119	Leakproof Sheathed Thermocouple Protection Tube Material：316ss	-	8	134.13	1073
120	Leakproof Sheathed Thermocouple 300lb 1-1/2″Rf	-	1	134.00	134
121	Leakproof Sheathed Thermocouple 300lb 1-1/2″Rf	-	42	134.12	5633
122	Blade Type Furnace Tube Surface Thermocouple	-	8	1207.13	9657
123	High Pressure Thermocouple1500lb 1-1/2″ Rj	-	14	268.21	3755
124	High Pressure Thermocouple：900lb 1-1/2″ Rj	-	3	268.33	805
125	High Pressure Thermocouple900lb 1-1/2″ Rj	-	18	134.11	2414
126	High Pressure Thermocouple900lb 1-1/2″ Rj	-	1	298.00	298
127	High Pressure Thermocouple600lb 1-1/2″ Rf	-	2	201.00	402
128	High Pressure Multipoint Thermocouple	-	8	10729.63	85837
129	Stainless Steel Pressure Gauge 316ss	-	107	32.79	3508
130	Stainless Steel Pressure Gauge 321ss	-	5	32.80	164
131	Stainless Steel Vibration-Proof Pressure Gauge Precision: 1.5	-	20	53.65	1073
132	Differential Pressure Meter Accuracy: 2.5 Stainless Steel	-	1	149.00	149
133	Throttling Set Class300 Concentric Orificedn300 (Carbon Steel)	Set	3	1207.00	3621
134	Throttling Set Class300 Concentric Orificedn300 (321ss)	Set	1	1717.00	1717
135	Throttling Set Class300 Concentric Orificedn250 (Carbon Steel)	Set	3	1086.33	3259
136	Throttling Set Class300 Concentric Orificedn200 (Carbon Steel)	Set	2	965.50	1931
137	Throttling Set Class300 Concentric Orificedn150 (Carbon Steel)	Set	8	724.25	5794
138	Throttling Set Class300 Concentric Orificedn100 (Carbon Steel)	Set	7	603.57	4225
139	Throttling Set Class300 Concentric Orificedn80 (Carbon Steel)	Set	3	482.67	1448
140	Throttling Set Class300 Concentric Orificedn50 (Carbon Steel)	Set	3	362.00	1086

141	Throttling Set Class600 Concentric Orificedn150 (15crmo)	Set	2	2293.50	4587
142	Throttling Set Class900 Concentric Orificedn350 (A105)	Set	1	2682.00	2682
143	Throttling Set Class900 Concentric Orificedn350 (321ss)	Set	1	2682.00	2682
144	Throttling Set Class900 Concentric Orificedn300 (A105)	Set	4	2146.00	8584
145	Throttling Set Class900 Concentric Orificedn250 (A105)	Set	1	2414.00	2414
146	Throttling Set Class900 Concentric Orificedn150 (A105)	Set	4	1810.50	7242
147	Throttling Set Class900 Concentric Orificedn100 (A105)	Set	3	1448.33	4345
148	Throttling Set Class900 Concentric Orificedn50 (A105)	Set	3	1207.00	3621
149	Internal Hidden Hole Plateansi 150lb 1″ Rf	-	1	3815.00	3815
150	Internal Hidden Hole Plateansi 150lb 1-1/2″ Rf	-	3	5633.00	16899
151	Internal Hidden Hole Plateansi 300lb 1″ Rf	-	2	5365.00	10730
152	Vortex Shedding Flowmeteransi150lb 3″ Rf	-	1	5700.00	5700
153	Vortex Shedding Flowmeteransi150lb 4″ Rf	-	1	7600.00	7600
154	Ultrasonic Flowmeteransi150lb 20″ Rf	-	1	17883.00	17883
155	Electromagnetic Flowmeteransi150lb 4″Rf, Pipeline Type	-	1	6333.00	6333
156	Electromagnetic Flowmeteransi150lb 3″Rf, Pipeline Type	-	1	5067.00	5067
157	Mass Flowmeteransi300lb 6″ Rf	-	1	25080.00	25080
158	Mass Flowmeteransi300lb 3″ Rf	-	1	13680.00	13680
159	Mass Flowmeteransi300lb 1 1/2″ Rf	-	1	5901.00	5901
160	Mass Flowmeteransi150lb 1″ Rf	-	1	4721.00	4721
161	Transparent Glass Plate Liquid Level Gauge	-	3	447.00	1341
162	Reflective Glass Plate Liquid Level Gauge	-	19	447.05	8494
163	Outer Buoy Level Meteransi900lb 2″ Rj(316ss)	-	6	15498.33	92990
164	Outer Buoy Level Meteransi300lb 2″ Rf(316ss)	-	9	4172.67	37554
165	Outer Buoy Level Meteransi300lb 2″ Rf(Carbon Steel)	-	3	3353.00	10059
166	Magnetostrictive Liquid Level Meter Ansi300lb 4″ Rf(316ss)	-	2	11922.00	23844
167	Magnetic Liquid Level Meteransi300lb 2″ Rf (316l)4200mm	-	1	1431.00	1431
168	Magnetic Liquid Level Meteransi300lb 2″ Rf (316l)3500mm	-	4	1311.50	5246
169	Magnetic Liquid Level Meteransi300lb 2″ Rf (316l)2400mm	-	3	953.67	2861

170	Magnetic Liquid Level Meteransi300lb 2″ Rf (316l)1800mm	-	1	835.00	835
171	Magnetic Liquid Level Meteransi300lb 2″ Rf (316l)1200mm	-	2	715.50	1431
172	Magnetic Liquid Level Meteransi300lb 2″ Rf (316l)800mm	-	2	596.00	1192
173	Magnetic Liquid Level Meteransi300lb 2″ Rf (316l)600mm	-	1	536.00	536
174	Magnetic Liquid Level Meteransi300lb 2″ Rf (316l)Ansi300lb 4″ Rf (316l)	-	2	834.50	1669
175	Ansi900lb 2″ Rj (316l) Side Mounted 3048mm (120″)	-	1	14306.00	14306
176	Ansi900lb 2″ Rj (316l) Side Mounted 2438mm (96″)	-	1	11922.00	11922
177	Ansi900lb 2″ Rj (316l) Side Mounted 1219mm (48″)	-	1	7153.00	7153
178	Ansi900lb 2″ Rj (316l) Side Mounted 813mm (32″)	-	2	5961.00	11922
179	Ansi900lb 2″ Rj (316l) Side Mounted 610mm (24″)	-	1	5365.00	5365
180	Ansi900lb 2″ Rj (321) Side Mounted 2134mm (84″)	-	2	11922.00	23844
181	Intelligent Pressure Transmitter316lmembrane	-	37	819.62	30326
182	Intelligent Pressure Transmitter321ss Gold Plated Membran	-	5	953.80	4769
183	Intelligent Micro Differential Pressure Transmitter	-	12	1072.92	12875
184	Intelligent Pressure Transmitter	-	30	968.63	29059
185	Intelligent Type High Pressure Transducer 316lss Membrane	-	29	953.72	27658
186	Intelligent Type High Pressure Transducer 321ssgold Plated Membran	-	2	1073.00	2146
187	Intelligent Dual Flange Differential Pressure Transmitter	-	1	1788.00	1788
188	Intelligent Dual Flange Differential Pressure Liquid Level Transmitteransi900lb 2″Rj(316ss)	-	5	5364.80	26824
189	Intelligent Dual Flange Differential Pressure Liquid Level Transmitteransi900lb 2″Rj(321ss)	-	2	5961.00	11922
190	Intelligent Dual Flange Differential Pressure Liquid Level Transmitteransi300lb 2″Rf(316ss)	-	11	3353.00	36883
191	Intelligent Dual Flange Differential Pressure Liquid Level Transmitteransi300lb 2″Rf(316ss)	-	1	3577.00	3577
192	Tc Input Safety Barrier (Belt Transmission)	-	121	89.41	10819
193	Ai (4～20ma) Input Safety Barrier	-	245	89.41	21906
194	Ao (4～20ma) Output Safety Barrier	-	71	89.41	6348
195	Pt100 Safety Barrier (With Transmitter)	-	124	89.41	11087
196	Mvsurge Protective Device	-	121	74.51	9016

197	4-20masurge Protective Device (Two-Wire System)	-	397	74.51	29581
198	Electric Relay	-	160	74.51	11922
199	24v Dcsurge Protective Device	-	65	74.51	4843
200	220v Acsurge Protective Device	-	3	74.67	224
201	Rs485surge Protective Device	-	3	74.67	224
202	Rtdsurge Protective Device	-	124	74.51	9239
203	Field Current Indicator	-	9	178.78	1609
204	Electric / Gas Valve Locator	-	50	894.14	44707
205	Electric/Pneumatic Converter (I/P)	-	5	372.60	1863
206	Electromagnetic Valve	-	12	1072.92	12875
207	Explosion-Proof Operation Column	-	1	107.00	107
208	Power Supply Cabinet	-	1	2980.00	2980
209	Safety Barrier Cabinet	-	3	2980.33	8941
210	Surge Protective Device Cabinet	-	4	2980.50	11922
211	Terminal Bar Cabinet	-	2	2980.50	5961
212	Supporting Instrument Cabinet	-	1	2980.00	2980
213	Redundant Dc Power Supply (15a)	-	4	9537.50	38150
214	Security Inspection System	Set	1	13412.00	13412
215	Hart Handheld Communications Device	-	1	954.00	954
216	Zirconia Oxygen Analyzer	-	1	13412.00	13412
217	Combustible Gas Detector	-	30	894.13	26824
218	Toxic Gas Detector (H2s)	-	31	894.13	27718
219	Portable Type Combustible Gas Detector	-	2	1341.00	2682
220	Toxic Gas Detector	-	2	1341.00	2682
221	Pneumatic Filmregulating Valveansi 300lb 8″ Rf(Wc6)	-	1	11922.00	11922
222	Pneumatic Filmregulating Valveansi 300lb 8″ Rf(Carbon Steel)	-	1	7153.00	7153
223	Pneumatic Filmregulating Valveansi 300lb 6″ Rf(Carbon Steel)	-	6	5960.83	35765
224	Pneumatic Filmregulating Valveansi 300lb 4″ Rf(Carbon Steel)	-	11	2980.45	32785
225	Pneumatic Filmregulating Valveansi 300lb 3″ Rf(Carbon Steel)	-	8	1907.50	15260
226	Pneumatic Filmregulating Valveansi 300lb 2″ Rf(Carbon Steel)	-	3	834.67	2504
227	Pneumatic Filmregulating Valveansi300lb 1-1/2″Rf(Carbon Steel)	-	6	715.33	4292
228	Pneumatic Filmregulating Valveansi300lb 1″Rf(Carbon Steel)	-	7	596.14	4173
229	High Voltage Regulating Valveansi1500lb 6″ Rj	-	1	41726.00	41726
230	High Voltage Regulating Valveansi900lb 10″ Rj	-	1	78237.00	78237
231	High Voltage Regulating Valveansi900lb 8″ Rj(Carbon Steel)	-	2	23992.50	47985
232	High Voltage Regulating Valveansi900lb 6″ Rj(Carbon Steel)	-	2	18777.00	37554
233	High Voltage Regulating Valveansi900lb 4″ Rj(Carbon Steel)	-	2	11474.50	22949
234	High Voltage Regulating Valveansi900lb 3″ Rj(Carbon Steel)	-	1	10432.00	10432

235	High Voltage Regulating Valveansi900lb 2″ Rj(Carbon Steel)	-	3	9388.33	28165
236	High Voltage Regulating Valveansi 600lb 3″ Rf(Carbon Steel)	-	2	6780.50	13561
237	High Voltage Regulating Valveansi 600lb 1 1/2″ Rf(Carbon Steel)	-	2	5216.00	10432
238	High Pressure Multi-Stage Angle Valveansi900lb 8″ Rj	-	1	98354.00	98354
239	High Pressure Multi-Stage Angle Valveansi900lb 4″ Rj	-	1	62589.00	62589
240	High Pressure Multi-Stage Angle Valveansi900lb 6″ Rj(Carbon Steel)	-	2	49177.00	98354
241	High Pressure Multi-Stage Angle Valveansi900lb 4″ Rj(Carbon Steel)	-	4	25929.75	103719
242	High Pressure Multi-Stage Angle Valveansi900lb 2″ Rj(Carbon Steel)	-	3	21459.00	64377
243	High Pressure Multi-Stage Angle Valveansi900lb 1-1/2″Rj(Carbon Steel)	-	4	17882.75	71531
244	Camflex Valve Ansi300lb 12″ Rf(Carbon Steel)	-	4	19671.00	78684
245	Pneumatic Parallel Gate Valve Ansi 900lb 12″Rj(Carbon Steel)	-	1	152002.00	152002
246	Pneumatic Parallel Gate Valveansi 900lb 8″Rj(Carbon Steel)	-	1	102825.00	102825
247	Pneumatic Parallel Gate Valveansi 900lb 6″Rj(Carbon Steel)	-	1	76001.00	76001
248	Pneumatic Parallel Gate Valveansi 900lb 2″Rj(Carbon Steel)	-	1	28612.00	28612
249	Pneumatic Parallel Gate Valveansi900lb 14″Rj	-	1	223533.00	223533
250	Pneumatic Parallel Gate Valveansi300lb 1 1/2″ Rf(Carbon Steel)	-	1	4411.00	4411
251	Pneumatic Parallel Gate Valveansi 300lb 4″Rf (Carbon Steel)	-	1	5365.00	5365
252	Electric Gate Valve Ansi150lb 14″Rf (Carbon Steel)	-	1	20267.00	20267
253	Self Actuated Regulatoransi300lb 1″Rf(Carbon Steel)	-	2	2682.50	5365
254	Explosion-Proof Junction Box	-	15	447.07	6706
255	Outdoor Ground Hydrant	Set	2	596.00	1192
256	Fire Gun	-	1	1788.00	1788
257	Air Breathing Apparatus, Gas Masks, Overalls	Batch	1	24276.00	24276
258	Portable Mf8 Type Dry Powder Fire Extinguisher	-	108	29.81	3219
259	Small Fire Extinguisher Box (3 Installed)	-	36	26.83	966
260	Cart Type Mft35 Type Dry Powder Fire Extinguisher	-	7	223.57	1565
261	Eye Wash	10 Sets	0.2	8940.00	1788
	Total				25643288
6.Jet Fuel Hydrogenation					

1	Hydrogenation Reactor Iii	-	1	327185.00	327185
2	Fractionating Tower Ii	-	1	105848.00	105848
3	Reaction Effluent / Reaction Feed Heat Exchanger Ii	-	4	95855.00	383420
4	Return New Hydrogen Cooler Class Ii	-	1	3609.00	3609
5	Refined Kerosene / Low Oil Heat Exchanger Ii	-	4	19246.25	76985
6	Fractionating Tower Condenser Ii	-	1	4812.00	4812
7	Refined Kerosene Condenser Ii	-	1	4812.00	4812
8	Reactor Effluent Air Coolers	-	1	78424.00	78424
9	Fractionating Tower Air Cooler	-	1	52684.00	52684
10	Refined Kerosene Air Cooler	-	1	34947.00	34947
11	Raw Oil Buffer Tank Ii	-	1	35184.00	35184
12	Low Pressure Separator Iii	-	1	89332.00	89332
13	Recycle Hydrogen Compressor Entrance Separate Tank Ii	-	1	13532.00	13532
14	New Hydrogen Compressor Entrance Separate Tank Ii	-	1	9909.00	9909
15	Water Tank I	-	1	3518.00	3518
16	Fractionating Tower Reflux Tank Ii	-	1	16089.00	16089
17	Hydrogen Sulfide Absorption Tank Ii	-	1	21111.00	21111
18	Antioxidant Tank Ii	-	2	14403.00	28806
19	Blowdown Tank Ii	-	1	11728.00	11728
20	Underground Sewage Tank Ii	-	1	10555.00	10555
21	Vulcanizing Agent Tank Ii	-	1	5864.00	5864
22	Fuel Gas Liquid Separation Tank Ii	-	1	4691.00	4691
23	Purified Compressed Air Tank I	-	1	2815.00	2815
24	Raw Oil Dewatering Device	-	1	15036.00	15036
25	Refined Kerosene Dehydrator	-	1	15036.00	15036
26	Raw Materials Oil Filter	-	1	37590.00	37590
27	Refined Kerosene Filter	-	1	37590.00	37590
28	Injection Of Corrosion Inhibitor Of Complete Sets Of Equipment	-	1	22554.00	22554
29	Back-Fire Relief Valve	-	2	2255.50	4511
30	Back-Fire Relief Valve	-	2	2255.50	4511
31	Back-Fire Relief Valve	-	2	2255.50	4511
32	Back-Fire Relief Valve	-	2	2255.50	4511
33	Raw Oil Sampler	-	1	2406.00	2406
34	Circulating Hydrogen Sampler	-	1	2406.00	2406
35	Low Oil Sampler	-	1	2406.00	2406
36	New Hydrogen Sampler	-	1	2406.00	2406
37	Surfur Water Sampler	-	1	2406.00	2406
38	Fractionating Tower Acid Gas Sampler	-	1	2406.00	2406
39	Naphtha Sampler	-	1	2406.00	2406
40	Refining Of Boat Coal Sampler	-	1	2406.00	2406
41	Heat Exchanger Corrosion	M2	65	18.05	1173
42	New Hydrogenation And Recycle Hydrogen Compressor	-	2	240577.00	481154
43	Feed Pump	-	2	67662.50	135325
44	Water Injection Pump	-	2	9021.50	18043
45	Fractionating Tower Top Reflux Pump	-	2	12982.50	25965
46	Refined Kerosene Pump	-	2	24014.50	48029
47	Fractionating Tower Bottom Reboiler Pump	-	2	24937.50	49875

48	Antioxidant Metering Pump	-	2	7518.00	15036
49	Emptying Pump	-	1	12341.00	12341
50	Underground Sump Pump	-	1	31077.00	31077
51	(Dmds Pump Portable Pump)	-	1	7518.00	7518
52	Explosion Proof Electric Crane	-	1	97734.00	97734
53	Explosion-Proof Electric Hoist	-	1	22554.00	22554
54	Lubricating Oil Filter Oil Car	-	1	7518.00	7518
55	Air Preheater	Ton	4	2541.00	10164
56	Induced Draft Fan (With Motor)	Set	1	18043.00	18043
57	Pneumatic Actuator	Set	2	5713.50	11427
58	Turbolator Air Preheater	Ton	5	3007.20	15036
59	Blower (Motor)	Set	1	30072.00	30072
60	0.38kv，11kw	-	2	1985.00	3970
61	0.38kv，7.5kw	-	1	1353.00	1353
62	0.38kv，5.5kw	-	2	992.50	1985
63	Frequency Conversion Cabinet	-	2	451.00	902
64	Outdoor Explosion-Proof Power Supply Panal	-	4	1804.25	7217
65	Outdoor Explosion-Proof Power Distribution Box	-	3	2255.33	6766
66	Explosion-Proof Operation Column (With Current Meter)	-	10	165.40	1654
67	Explosion-Proof Operation Column	-	36	150.36	5413
68	Increased Safety Type Explosion Proof Junction Box	-	12	2255.42	27065
69	Explosion Proof Lighting Distribution Box	-	6	1804.33	10826
70	Explosion Proof Socket, Distribution Box	-	3	1804.33	5413
71	Wireless Intercom	-	4	902.25	3609
72	Explosion Proof Manual Alarm	Set	4	180.50	722
73	Flame Detector	Set	2	1804.50	3609
74	Explosion Proof Station	Set	8	2255.38	18043
75	Explosion Proof Loudspeaker	-	9	300.67	2706
76	Electric Cable Junction Box, Explosion-Proof System	-	20	300.70	6014
77	Explosion Proof Camera	Set	6	6766.17	40597
78	Combination Box	-	6	751.83	4511
79	Low Pressure Core Pulling Type Double Metal Thermometer	-	22	112.77	2481
80	Process Connection Specifications Pressure Grade: Ansi 600	-	2	134.00	268
81	Leakage Proof Armored Thermocouple	-	40	120.30	4812
82	Protection Tube | Flange Material: 321 Ss	-	14	150.36	2105
83	Common Heating Furnace Leakage Insulation Armoured Thermocouple Process Connection Specifications Pressure Level: Ansi 150	-	5	112.80	564
84	Common Heating Furnace Leakage Insulation Armoured Thermocouple Process Connection Specifications Pressure Level: Ansi 150	-	10	375.90	3759
85	Furnace Tube Surface Thermocouple	-	3	902.00	2706

86	Equipment With Casing Multipoint Thermocouple	-	3	751.67	2255
87	All Stainless Steel Pressure Gauge	-	54	52.63	2842
88	All Stainless Steel Vibration-Proof Pressure Gauge	-	17	67.65	1150
89	Stainless Steel Safety Pressure Gauge	-	8	67.63	541
90	Stainless Steel Safety Vibration-Proof Pressure Gauge	-	5	112.80	564
91	Throttling Setnominal Diameter:1-1/2″	-	1	180.00	180
92	Throttling Setnominal Diameter:1-1/2″	-	8	150.38	1203
93	Throttling Setnominal Diameter:2″	-	7	225.57	1579
94	Throttling Setnominal Diameter:3″	-	6	240.50	1443
95	Throttling Setnominal Diameter:4″	-	4	391.00	1564
96	Throttling Setnominal Diameter:6″	-	2	676.50	1353
97	Throttling Setnominal Diameter:1-1/2″	-	1	271.00	271
98	Throttling Setnominal Diameter:2″	-	1	331.00	331
99	Throttling Setnominal Diameter:3″	-	1	451.00	451
100	Throttling Setnominal Diameter:4″	-	3	751.67	2255
101	Metal Tube Rotary Flow Transmitter	-	2	1804.50	3609
102	Electromagnetic Flowmeter	-	1	3909.00	3909
103	Meter Type: Pipe Split	-	1	5263.00	5263
104	Coriolis Mass Flowmeter	-	1	7518.00	7518
105	Instrument -Mass Flowmeter Dn50	-	2	16840.50	33681
106	External Pontoon Liquid Level Gauge	-	3	4811.67	14435
107	External Pontoon Liquid Level Meter Connecting Specifications Pressure Process:Ansi 300	-	8	3759.00	30072
108	Process Connection Specifications Pressure Grade: Ansi 600	-	6	5713.67	34282
109	Top Loaded Pontoon Liquid Level Gauge	-	1	3759.00	3759
110	Glass Plate Liquid Level Gauge Pressure	-	4	1729.25	6917
111	Glass Plate Liquid Level Gauge Pressure Process Connection Specifications Pressure Rating:Ansi 300	-	3	1428.33	4285
112	Glass Plate Liquid Level Gauge Pressure Process Connection Specifications Pressure Rating:Ansi 300	-	10	751.80	7518
113	Glass Plate Liquid Level Gauge Pressure	-	3	2706.33	8119
114	Low Voltage Magnetic Level Gauge	-	2	1879.50	3759
115	Low Voltage Magnetic Level Gauge Specification Process Connection:2″ Ansi 300 Rf	-	3	2030.00	6090
116	Low Voltage Magnetic Level Gauge Specification Process Connection:2″ Ansi 600 Rf	-	1	4285.00	4285
117	Top Loaded Magnetic Level Gauge Flange Material:316 Ss	-	1	1804.00	1804
118	Type: Intelligent Pressure Transmitter	-	42	751.81	31576

119	Pressure Transmitter Type: Intelligent (High Pressure)	-	4	902.25	3609
120	Type: Intelligent Differential Pressure Transmitter	-	43	902.16	38793
121	Differential Pressure Transmitter Type: Intelligent (Micro Differential Pressure)	-	11	1052.55	11578
122	Double Flange Differential Pressure Transmitter Process Connection Specifications Pressure Rating:Ansi 300	-	5	2029.80	10149
123	Double Flange Differential Pressure Transmitter Process Connection Specifications Pressure Rating:Ansi 600	-	2	2406.00	4812
124	Combustible Gas Detector Gas: Hydrogen	-	8	902.13	7217
125	Combustible Gas Detector Gas: Light Hydrocarbon	-	20	902.15	18043
126	Portable Gas Detector	-	2	2255.50	4511
127	Toxic Gas Detector (Hydrogen Sulfide)	-	10	1202.90	12029
128	Control Valve Type:Globe	-	3	2481.00	7443
129	Control Valve Type:Globe	-	11	1503.64	16540
130	Control Valve Type:Globe	-	3	2405.67	7217
131	Control Valve Type:Globe	-	4	3007.25	12029
132	Control Valve Type:Globe	-	3	4510.67	13532
133	Control Valve Type:Globe	-	2	6014.50	12029
134	Control Valve Type:Globe	-	1	4511.00	4511
135	Control Valve Type:Globe(High Temperature)	-	1	12781.00	12781
136	Control Valve Type:Globe	-	1	5263.00	5263
137	Control Valve Type:Globe	-	1	7067.00	7067
138	Control Valve Type:Globe(Anti-Cavitation)	-	2	12780.50	25561
139	Pneumatic Ball Valve Nominal Pressure On/Off: Ansi 300	-	2	4811.50	9623
140	Pneumatic Ball Valve Nominal Pressure On/Off: Ansi 300	-	1	4812.00	4812
141	Pneumatic Ball Valve Nominal Pressure On/Off: Ansi 300	-	1	5714.00	5714
142	Pneumatic Ball Valve Nominal Pressure On/Off: Ansi 300	-	1	6766.00	6766
143	Pneumatic Ball Valve Nominal Pressure On/Off: Ansi 300	-	1	12029.00	12029
144	The Self-Regulating Valve Nominal Diameter: 3/4″	-	2	2706.50	5413
145	Electromagnetic Valve Body Material: Stainless Steel	-	7	827.00	5789
146	Analog Input Safety Barrier	-	167	120.29	20088
147	Analog Output Safety Barrier	-	45	120.29	5413
148	Galvanic Signal Safety Barrier With Temperature Change	-	84	120.29	10104
149	Thermal Resistance Signal Safety Barrier With Temperature Change	-	62	120.29	7458

150	Zirconia Oxygen Analyzer	-	2	15036.00	30072
151	Electric Valve Locator (Intelligent)	-	36	977.33	35184
152	Field Indicator	-	3	977.33	2932
153	Instrument Field Insulation Box (With Φ 14x2 31ss Heat Tracing Coil)	-	128	150.36	19246
154	Stainless Steel Instrument Junction Box	-	20	375.90	7518
155	Safety Production Data Collecting System	Set	1	18043.00	18043
156	Safety Barrier Instrument Helper Terminal Cabinet Cabinet Cabinet	-	7	3759.00	26313
157	Dc Power Supply (20a)	-	4	2255.50	9022
158	Distributed Control System (Dcs)	Set	1	150361.00	150361
159	Safety Control System Of Instrument (Sis)	Set	1	150361.00	150361
160	Hydrogenation Feed Pump, Injection Pump, Circulating Hydrogen Compressor,	Set	1	52626.00	52626
	Total				3756576
7.CCR Unit(Including Pre-Hydrogenation)					
1	Hydrogenation Reactor (III)	-	1	446602.00	446602
2	Hydrogen Chloride Processor (III)	-	1	453457.00	453457
3	Reactor For Hydrogen Production (II)	-	1	82633.00	82633
4	Stripper II	-	1	361149.00	361149
5	Naphtha Fractionator (II)	-	1	368917.00	368917
6	Pre Hydrogenation Feed Heat Exchanger (II)	-	2	337541.50	675083
7	Pre Hydrogenation Feed Heat Exchanger (II)	-	2	207718.00	415436
8	Pre Hydrogenation Feed Heat Exchanger (II)	-	2	64912.00	129824
9	Stripper Feed / Naphtha Fractionator Bottom Heat Exchanger (II)	-	1	25965.00	25965
10	The Stripper Feed / Tower Bottom Heat Exchanger (Ii)	-	2	12982.50	25965
11	Pre Hydrogenation Feed Preheater (Ii)	-	2	29210.50	58421
12	Stripping Tower Condenser (Ii)	-	1	24342.00	24342
13	Naphtha Fractionator Overhead Condenser (II)	-	1	16228.00	16228
14	Refined Naphtha Cooler (II)	-	2	17851.00	35702
15	Pre Hydrogenation Feed Buffer Tank (II)	-	1	62315.00	62315
16	Hydrogen Water Filling Tank ((Atmospheric))	-	1	1839.00	1839
17	Pretreatment With Hydrogen Gas Liquid Separator (III)	-	1	134627.00	134627
18	Pre Hydrogenation Recycle Hydrogen Compressor Entrance Liquid Tank (II)	-	1	15081.00	15081
19	Stripper Reflux Tank (II)	-	1	19474.00	19474
20	Naphtha Fractionator Reflux Tank (II)	-	1	25965.00	25965
21	Hydrogen Injection Of Sulfur Tank (I)	-	1	4674.00	4674
22	Pre Hydrogenation Corrosion-Sustaining Agent Tank (I)	-	1	2077.00	2077

23	First, The Second Reforming Reactor	Set	1	1667653.00	1667653
24	Reforming In Third, Fourth Reactor	Set	1	2083031.00	2083031
25	Depentanizer (II)	-	1	188535.00	188535
26	C4/C5]Fractionating Tower (II)	-	1	143071.00	143071
27	Dehexanizer (II)	-	1	419040.00	419040
28	Reforming Of Mixed Feed Heat Exchanger (II)	-	1	2289225.00	2289225
29	A Outlet Of Condenser (II)	-	1	25965.00	25965
30	Exposure To Hydrogen Heat Exchanger (II)	-	1	14605.00	14605
31	Contact The Oil Heat Exchanger (II)	-	2	27587.50	55175
32	Contact Freezer (II)	-	1	22719.00	22719
33	Depentanizer Feed / Tower Bottom Heat Exchanger (II)	-	2	16228.00	32456
34	Removal Of Pentane Overhead Condenser (II)	-	1	25965.00	25965
35	C4/C5 Fractionator Feed / Tower Bottom Heat Exchanger (II)	-	2	5842.00	11684
36	C4/C5 Fractionation Tower Reboiler (II)	-	1	4868.00	4868
37	C4/C5 Fractionator Overhead Condenser (II)	-	1	25965.00	25965
38	Light Naphtha Cooler (II)	-	1	5193.00	5193
39	Hexane Removal Tower Feed / Tower Bottom Heat Exchanger (II)	-	1	19474.00	19474
40	Removal Of Hexane Tower Reboiler (II)	-	1	121710.00	121710
41	Removal Of Hexane Overhead Condenser (II)	-	1	19474.00	19474
42	Heavy Oil Cooler (II)	-	1	25965.00	25965
43	Heavy Oil Cooling Device (II)	-	1	25965.00	25965
44	Reforming The Gas-Liquid Separator (II)	-	1	91309.00	91309
45	A Section Of The Entrance Of Liquid Tank (II)	-	1	54851.00	54851
46	Two Stage Entrance Liquid Tank (II)	-	1	57339.00	57339
47	Contact Tank (III)	-	1	82005.00	82005
48	Hydrogen Chloride Removal Tank (II)	-	2	33754.00	67508
49	Depentanizer Reflux Tank (II)	-	1	16877.00	16877
50	C4/C5 Fractionator Reflux Tank (II)	-	1	15579.00	15579
51	Reformed Gasoline Dechlorination Tank (III)	-	2	60433.00	120866
52	Hexane Removal Tower Reflux Tank (II)	-	1	24667.00	24667
53	Medium Pressure Separator (II)	-	1	52968.00	52968
54	Regular Unloading Container ((Atmospheric))	-	1	6686.00	6686
55	Quadruple Sampling Cooler	-	1	1623.00	1623
56	Regenerator (II)	-	1	760529.00	760529
57	Regeneration Gas Heat Exchanger (I)	-	1	175262.00	175262
58	Regeneration Gas Cooler (I)	-	2	138749.00	277498
59	Nitrogen Circulation Heater (II)	-	1	3246.00	3246
60	Nitrogen Circulation Cooler (II)	-	1	4868.00	4868
61	Reduction Of Hydrogen Heat Exchanger (I)	-	2	27003.50	54007
62	Promotion Of Hydrogen Heater (II)	-	1	3246.00	3246

63	Reduction Of Hydrogen Cooler (Ⅱ)	-	1	7140.00	7140
64	Separating Hopper (Ⅰ)	-	1	14713.00	14713
65	Lock Hopper (Ⅱ)	-	1	7789.00	7789
66	Lower Part Of The Hopper.(Ⅰ)	-	1	14508.00	14508
67	Regenerator Lifter (Ⅱ)	-	1	9672.00	9672
68	Catalyst Hopper (Atmospheric)	-	1	3549.00	3549
69	Catalyst Blocking Material斗(Ⅰ)	-	1	3549.00	3549
70	Cycle Of Nitrogen Compressor Outlet Pressure Stabilizer (Ⅰ)	-	1	23368.00	23368
71	Cycle Of Nitrogen Compressor Entrance Liquid Tank (Ⅰ)	-	1	34987.00	34987
72	Air Compressor Outlet Pressure Stabilizer (Ⅰ)	-	1	7789.00	7789
73	Catalyst Sample Tank (Ⅰ)	-	2	887.00	1774
74	Recovery Room (Ⅱ)	-	1	75958.00	75958
75	Two The Lower Hopper (Ⅱ)	-	1	9672.00	9672
76	Two Anti Lifter (Ⅱ)	-	1	9672.00	9672
77	Three Upper Hopper (Ⅱ)	-	1	29016.00	29016
78	Four The Lower Hopper (Ⅱ)	-	1	9672.00	9672
79	Four Anti Lifter (Ⅱ)	-	1	9672.00	9672
80	Surge Tank (Ⅰ)	-	1	33754.00	33754
81	Dechlorination Tank (Ⅰ)	-	2	25964.50	51929
82	Surge Tank (Ⅰ)	-	2	163578.00	327156
83	Dust Collecting Tank (Ⅰ)	-	1	2272.00	2272
84	Circular Buffer Tank (Ⅰ)	-	1	6491.00	6491
85	Regeneration Chlorine Tank (Ⅰ)	-	1	11606.00	11606
86	Recycled Water Injection Tank (Atmospheric)	-	1	6993.00	6993
87	Steam Water Separator (Ⅰ)	-	1	1818.00	1818
88	1.0mpasteam Expanding Vessel (Ⅰ)	-	1	4414.00	4414
89	0.5mpa Steam Expanding Vessel (Ⅰ)	-	1	3895.00	3895
90	Regeneration Buffer Tank (Ⅰ)	-	1	4933.00	4933
91	Purified Compressed Air Tank(Ⅰ)	-	1	23368.00	23368
92	Fuel Gas Scrubber (Ⅱ)	-	1	10905.00	10905
93	Blow Tank (Ⅱ)	-	1	41544.00	41544
94	Light Slop Tank (Ⅱ)	-	1	7789.00	7789
95	Pre Hydrogenation Products Air Cooler Tube Boxpwht)	-	4	51929.50	207718
96	Stripper Overhead Coolers	-	2	84385.50	168771
97	Naphtha Fractionation Tower Air Cooler (Pwht)	-	2	51929.50	103859
98	Mixed Phase Closed Samplermb-Ii-A	-	1	2596.00	2596
99	Single Closed Samplermb-Ii-A	-	1	2596.00	2596
100	Single Closed Samplermb-Ii-A	-	1	2596.00	2596
101	Single Closed Samplermb-Ii-A	-	1	2596.00	2596
102	Single Closed Samplermb-Ii-C	-	1	2596.00	2596
103	Single Closed Samplermb-I-A	-	1	2596.00	2596
104	Single Closed Samplermb-I-A	-	1	2596.00	2596
105	Single Closed Samplermb-I-A	-	1	2596.00	2596
106	Silencerty-Sp-150/2.0	-	4	4781.75	19127
107	Pre Hydrogenation Feed Heating Furnace Back-Fire Relief Valve	-	2	1471.50	2943
108	Stripper Reboiler Back-Fire Relief Valve	-	2	1471.50	2943

109	Naphtha Fractionation Tower Reboiler Back-Fire Relief Valve	-	2	1471.50	2943
110	The Reformate Air Cooler	-	12	51929.50	623154
111	One Section Of Outlet Air Cooler	-	2	51929.50	103859
112	Two Section Outlet Air Cooler	-	2	51929.50	103859
113	Depentanizer Overhead Coolers	-	2	51929.50	103859
114	Removal Of Hexane Tower Air Cooler	-	4	51929.50	207718
115	Heavy Oil Cooler	-	2	51929.50	103859
116	Single Closed Sampler	-	12	2380.08	28561
117	Evacuating Device	-	1	6491.00	6491
118	Reforming Feedfilter	-	2	6058.50	12117
119	Reforming Feed Heating Furnaceback-Fire Relief Valve	-	2	2596.50	5193
120	The First Intermediate Heating Furnace Back-Fire Relief Valve	-	2	3289.00	6578
121	The Second Intermediate Reheating Furnaceback-Fire Relief Valve	-	2	2596.50	5193
122	The Third Intermediate Reheating Furnace Back-Fire Relief Valve	-	2	2596.50	5193
123	Depentanizer Reboiler Back-Fire Relief Valve	-	2	2596.50	5193
124	Desuperheater	-	1	31158.00	31158
125	Silencer	-	1	6924.00	6924
126	Silencer	-	1	5539.00	5539
127	Dosing Device	-	1	51605.00	51605
128	Chlorination Finned Tube Air Cooler	-	1	33105.00	33105
129	Regeneration System Of Evacuator	-	1	6361.00	6361
130	Air Vent Silencer	-	1	1082.00	1082
131	Cyclic Nitrogen Emptying Silencer	-	1	1082.00	1082
132	Emptying Silencer	-	1	1082.00	1082
133	Hydrogen Reductionfilter	-	2	38081.50	76163
134	Dust Collector	-	1	194736.00	194736
135	Hydrogen Purification System	-	1	378652.00	378652
136	Air Dryer	-	1	30292.00	30292
137	Regeneration Gas Drying System	-	1	727013.00	727013
138	Single Phase Sampler	-	1	2164.00	2164
139	Mixed Phase Closed Sampler	-	2	2596.50	5193
140	Circulation Electric Heater	-	1	173315.00	173315
141	Through A Thermoelectric Heater	-	1	93668.00	93668
142	Chlorinated Electric Heater	-	1	26874.00	26874
143	Roast Electric Heater	-	1	96589.00	96589
144	Hydrogen Reduction Of Electric Heater	-	1	125410.00	125410
145	3.5mpa Steam Desuperheater	-	1	19041.00	19041
146	Pilot Burner Fuel Gas Back-Fire Relief Valve	-	2	1471.50	2943
147	Pre Hydrogenation Recycle Hydrogen Compressor	-	2	302922.00	605844
148	Reforming Recycle Hydrogen Compressor	-	1	4290673.00	4290673
149	Hydrogen Compressor	-	2	2369282.50	4738565
150	Regeneration Gas Circulating Compressor	-	2	662101.00	1324202
151	Air Compressor	-	2	107104.50	214209
152	Cycle Of Nitrogen Compressor	-	2	233682.50	467365
153	Unit Instrument Safety Barrier	Set	1	6491.00	6491

154	Unit Instrument Surge Protective Device	Set	1	8655.00	8655
155	Unit Instrument Safety Barrier	Set	1	5409.00	5409
156	Unit Instrument Surge Protective Device	Set	1	6491.00	6491
157	Unit Instrument Safety Barrier	Set	1	5409.00	5409
158	Unit Instrument Surge Protective Device	Set	1	6491.00	6491
159	Unit Instrument Safety Barrier	Set	1	6491.00	6491
160	Unit Instrument Surge Protective Device	Set	1	8655.00	8655
161	Dust Removal Fan Introduction	-	1	546171.00	546171
162	Pre Hydrogenation Feed Pump	-	2	106367.50	212735
163	Washing Water Pump	-	1	18851.00	18851
164	Stripper Reboiler	-	2	32415.00	64830
165	Stripper Reflux Pump	-	2	9263.00	18526
166	Naphtha Fractionator	-	2	39424.50	78849
167	Naphtha Fractionator	-	2	26216.00	52432
168	Naphtha Fractionator	-	1	3922.00	3922
169	Hydrogen Injection Of Sulfur Pump	-	1	5492.00	5492
170	Reforming The Gas-Liquid Separation	-	2	35544.00	71088
171	Two Stage Entrance Liquid	-	2	17917.50	35835
172	Depentanizer Reflux	-	2	9783.00	19566
173	Depentanizer Reboiler	-	2	14555.50	29111
174	C4/C5 Fractionation Tower Back	-	2	8372.50	16745
175	Removal Of Hexane Tower Bottom Pump	-	2	11794.50	23589
176	Removal Of Hexane Reflux Tower	-	2	14834.00	29668
177	Reforming Water Injection Pump	-	1	5628.00	5628
178	Reforming Chlorine Injection Pump	-	1	2814.00	2814
179	A/B Reforming Note Sulfur Pump	-	2	2814.00	5628
180	Regeneration Chlorine Injection Pump	-	2	2814.00	5628
181	Regenerative Pump	-	2	2814.00	5628
182	Blowdown Tank Pump	-	1	14127.00	14127
183	Light Sump Pump	-	1	13975.00	13975
184	Membrane Pump With Pneumatic Drive	-	1	3578.00	3578
185	Hot Water Circulation Pump	-	2	64371.00	128742
186	Water Discharge Pump	-	2	14713.50	29427
187	Condensate Recovery Pump	-	1	6491.00	6491
188	Condensate Pump	-	2	10818.50	21637
189	Explosion Proof Electric Double Girder Crane 40/10t	-	1	162280.00	162280
190	Explosion-Proof Electric Hoist 10t	-	2	36783.50	73567
191	Explosion-Proof Electric Hoist 3t	-	1	18392.00	18392
192	Explosion-Proof Electric Hoist 2t	-	3	7356.67	22070
193	Manual Hoist And Monorail Trolley 3t	-	1	2164.00	2164
194	Manual Hoist And Monorail Trolley 5t	-	2	4327.50	8655
195	Centralized Oil Mist Lubrication System	-	1	86549.00	86549
196	Mobile Type Oil Filter Dewatering Machine	-	2	32456.00	64912
197	Noise Silencer	-	2	21637.50	43275
198	Air Preheater	Ton	15	3180.67	47710
199	Soot Blower Control Cabinet (Explosion)	-	1	10819.00	10819

200	Ybxn160m1-2wf G4-79no4.5a Supporting The Supply Blower Motor	-	1	17310.00	17310
201	Air Preheater	Ton	15	3180.67	47710
202	Soot Blower Control Cabinet (Explosion)	-	1	10819.00	10819
203	Ybxn160m1-2wf G4-79no4.5a Supporting The Supply Blower Motor	-	1	17310.00	17310
204	Air Preheater	Ton	15	3180.67	47710
205	Soot Blower Control Cabinet (Explosion)	-	1	10819.00	10819
206	Ybxn160m1-2wf G4-79no4.5a Supporting The Supply Blower Motor	-	1	17310.00	17310
207	Air Preheater	Ton	15	3180.67	47710
208	Soot Blower Control Cabinet (Explosion)	-	1	10819.00	10819
209	Ybxn160m1-2wf G4-79no4.5a Supporting The Supply Blower Motor	-	1	17310.00	17310
210	Medium Voltage Switch Cabinet	-	10	23801.00	238010
211	A Total Of 13 Microcomputer Based Protection Device	*-	3	4327.33	12982
212	The Low-Voltage Drawer Switch Cabinet	-	55	12333.25	678329
213	Outdoor Explosion-Proof Power Supply Panal	-	8	2596.50	20772
214	Outdoor Explosion-Proof Power Distribution Box	-	2	3245.50	6491
215	Explosion-Proof Operation Column (With Current Meter)	-	40	216.38	8655
216	Explosion-Proof Operation Column	-	120	194.73	23368
217	Explosion-Proof Lighting Distribution Box 12	-	10	2596.50	25965
218	Wireless Intercom (Cluster Type, Explosion-Proof Type)	-	4	1081.75	4327
219	Explosion-Proof Type Manual Alarm Button	Set	20	216.35	4327
220	Explosion-Proof Flame Detector	Set	4	2596.50	10386
221	Electric Cable Explosion-Proof Junction Box (12 For Terminal)	-	4	973.75	3895
222	Electric Cable Explosion-Proof Junction Box (24 Pair Ends)	-	1	974.00	974
223	Explosion-Proof Type Amplifying Intercom Station	Set	15	3245.60	48684
224	Explosion-Proof Type Outdoor Speakers	-	5	432.80	2164
225	Explosion-Proof Type Outdoor Speakers	-	5	432.80	2164
226	Explosion Proof Type System Electric Cable Junction Box	-	40	973.68	38947
227	Explosion-Proof Integrated Color Camera	Set	6	8654.83	51929
228	Explosion Proof Type Combined Box	-	6	1081.83	6491
229	Bimetallic Thermometerpn5.0mpa Dn40 Rf	-	52	108.19	5626
230	Bimetallic Thermometerpn11.0mpa Dn40 Rf	-	8	103.88	831
231	Thermocouplepn5.0mpa	-	220	194.74	42842
232	Thermocouplepn11.0mpa	-	10	216.40	2164

233	Rod Type Thermocouple Protection Tube Material: 316ss	-	7	194.71	1363
234	Rod Type Thermocouple Protection Tube Material: Gh3030	-	50	1194.38	59719
235	Heating Furnace Tube Wall Thermocouple	-	16	1557.88	24926
236	Multi Point Thermocouple3 Point Type	-	4	3115.75	12463
237	Multi Point Thermocouple2 Point Type	-	1	2596.00	2596
238	Regenerator Thermocouple	-	1	103859.00	103859
239	Stainless Steel Pressure Gauge	-	300	47.60	14281
240	Stainless Steel Vibration-Proof Pressure Gauge	-	55	77.89	4284
241	Flange Taps Concentric Orificeansi300lb Dn500	-	1	2804.00	2804
242	Flange Taps Concentric Orificeansi300lb Dn400	-	2	2453.50	4907
243	Flange Taps Concentric Orificeansi300lb Dn350	-	2	2103.00	4206
244	Flange Taps Concentric Orificeansi300lb Dn200	-	3	1402.00	4206
245	Flange Taps Concentric Orificeansi300lb Dn150	-	25	1051.56	26289
246	Flange Taps Concentric Orificeansi300lb Dn100	-	13	876.31	11392
247	Flange Taps Concentric Orificeansi300lb Dn80	-	17	701.06	11918
248	Flange Taps Concentric Orificeansi300lb Dn50	-	17	525.76	8938
249	Flange Taps Concentric Orificeansi600lb Dn250	-	1	1928.00	1928
250	Flange Taps Concentric Orificeansi600lb Dn80	-	2	876.50	1753
251	Flow Nozzoleansi600lb Dn100	-	1	865.00	865
252	Flow Nozzoleansi600lb Dn150	-	1	1039.00	1039
253	Flow Nozzoleansi600lb Dn200	-	1	1385.00	1385
254	Flow Nozzoleansi600lb Dn250	-	1	1558.00	1558
255	Internal Hidden Hole Plate Flowmeter Ansi300lb Dn40	Set	3	9087.67	27263
256	Internal Hidden Hole Plate Flowmeter Ansi300lb Dn25	Set	1	8179.00	8179
257	Internal Hidden Hole Plate Flowmeter Ansi300lb Dn20	Set	4	7140.25	28561
258	Mass Flowmeteransi300lb Dn25 316ss	-	3	12874.33	38623
259	Mass Flowmeteransi300lb Dn50 316ss	-	2	18391.50	36783
260	Mass Flowmeteransi300lb Dn80 316ss	-	2	2207.00	4414
261	Mass Flowmeteransi300lb Dn100 316ss	-	1	27588.00	27588
262	Electromagnetic Flowmeteransi300lb Dn150	-	2	11770.50	23541
263	Electromagnetic Flowmeteransi300lb Dn400	-	1	25965.00	25965
264	Vortex Shedding Flowmeteransi300lb Dn50	-	4	7400.00	29600
265	Vortex Shedding Flowmeteransi300lb Dn80	-	2	8763.00	17526

266	Vortex Shedding Flowmeteransi300lb Dn100	-	1	11035.00	11035
267	Vortex Shedding Flowmeteransi300lb Dn150	-	2	11954.50	23909
268	Pitot Tube Flowmeter	-	4	29210.25	116841
269	Glass Plate Liquid Level Gauge L=1400 Ansi300 Carbon Steel	-	80	584.21	46737
270	Glass Plate Liquid Level Gaugel=1400 Ansi300 316l	-	4	1081.75	4327
271	Float Type Level Gauge	-	18	4868.39	87631
272	Radioactive Level Gauge	-	10	54093.20	540932
273	Intelligent Pressure Transmitter	-	129	1190.05	153517
274	Intelligent Pressure Transmitter	-	177	1406.42	248937
275	Intelligent Micro Differential Pressure Transmitter	-	35	1557.89	54526
276	Intelligent Dual Flange Differential Pressure Transmitter	-	33	2596.48	85684
277	Intelligent Electric / Gas Valve Locator	-	135	1298.24	175262
278	Instrument Electric Source 24vdcn+1 40a	Set	6	11684.17	70105
279	Instrument Electric Power Distribution Cabinet	-	2	4327.50	8655
280	Safety Barrier Cabinet	-	6	4327.50	25965
281	Surge Protective Device Cabinet	-	6	4327.50	25965
282	Tc Input Safety Barrier (Belt Transmission)	-	360	129.83	46737
283	Rtd Input Safety Barrier (Belt Transmission)	-	150	129.83	19474
284	Ai (4～20ma) Input Safety Barrier	-	360	129.83	46737
285	Ao (4～20ma) Output Safety Barrier	-	160	129.83	20772
286	Mvsurge Protective Device	-	360	108.19	38947
287	4-20masurge Protective Device (Two-Wire System)	-	390	108.19	42193
288	Rtdsurge Protective Device	-	150	108.19	16228
289	4-20masurge Protective Device	-	406	108.19	43924
290	4-20masurge Protective Device (Four-Wire System)	-	60	108.18	6491
291	Electric Relay	-	140	108.19	15146
292	Balance Container	-	2	649.00	1298
293	24v Dcsurge Protective Device	-	18	108.17	1947
294	220v Acsurge Protective Device	-	20	108.20	2164
295	Rs485surge Protective Device	-	8	108.13	865
296	Combustible Gas Alarm	-	65	1298.23	84385
297	H2s Toxic Gas Alarm	-	18	1298.22	23368
298	Portable Radiation Intensity Tester	-	1	21637.00	21637
299	Portable H2s Toxic Gas Alarm	-	2	1947.50	3895
300	Portable Combustible Gas Alarm	-	2	1947.50	3895
301	Zirconium Oxide Analyzer	-	8	19473.50	155788
302	H2 Concentration Analyzer	Set	1	75730.00	75730
303	O2 Content Analyzer	Set	2	129823.50	259647
304	H2/Hc/O2 Analyzer	Set	1	140642.00	140642
305	Trace Water Analyzer	Set	1	151461.00	151461

306	Sleeve Single-Seat Valvedn300 Ansi300#	-	1	10905.00	10905
307	Sleeve Single-Seat Valvedn250 Ansi300#	-	1	9347.00	9347
308	Sleeve Single-Seat Valvedn200 Ansi300#	-	3	7789.33	23368
309	Sleeve Single-Seat Valvedn150 Ansi300#	-	2	6231.50	12463
310	Sleeve Single-Seat Valvedn100 Ansi300#	-	22	5452.59	119957
311	Sleeve Single-Seat Valvedn80 Ansi300#	-	10	5141.00	51410
312	Sleeve Single-Seat Valvedn50 Ansi300#	-	18	1211.67	21810
313	Minor-Caliber Single-Seat Valvedn40 Ansi300#	-	20	1298.25	25965
314	Minor-Caliber Single-Seat Valvedn25 Ansi300#	-	12	1081.83	12982
315	Minor-Caliber Single-Seat Valvedn25 Ansi600#	-	9	1211.67	10905
316	Automatic Adjustment Valve Dn50	-	2	6231.50	12463
317	Automatic Adjustment Valve Dn25	-	4	4868.50	19474
318	Automatic Adjustment Valve Dn20	-	1	4598.00	4598
319	Ball Valve Dn250 Ansi300	-	1	11771.00	11771
320	Ball Valve Dn200 Ansi300	-	1	9694.00	9694
321	Ball Valve Dn150 Ansi300	-	2	9693.50	19387
322	Ball Valve Dn100 Ansi300	-	1	9694.00	9694
323	Ball Valve Dn80 Ansi300	-	7	7789.43	54526
324	Ball Valve Dn50 Ansi300	-	3	3877.33	11632
325	Ball Valve Dn25 Ansi300	-	4	2077.25	8309
326	Ball Valve Dn20 Ansi300	-	1	2216.00	2216
327	Electric Shutoff Valve Dn80	-	2	15579.00	31158
328	Electric Shutoff Valve Dn200	-	2	20772.00	41544
329	Dust Control Valve Dn40	-	3	5539.00	16617
330	Dust Control Valve Dn50	-	10	8481.80	84818
331	Dust Control Valve Dn80	-	2	10386.00	20772
332	Dust Control Valve Dn100	-	3	13501.67	40505
333	Pneumatic Dust Cut-Off Valve	-	4	9693.50	38774
334	Three Eccentric Butterfly Valve	-	2	20772.00	41544
335	Catalyst Special Shut-Off Valve Dn50 316ss	-	2	19041.00	38082
336	Catalyst Special Shut-Off Valve Dn80 316ss	-	9	29426.67	264840
337	Catalyst Special Shut-Off Valve Dn20 316ss	-	1	10386.00	10386
338	Catalyst Special Shut-Off Valve Dn100 316ss	-	2	34619.50	69239
339	V Type Ball Valve	-	2	20772.00	41544
340	Explosion-Proof Junction Box	-	20	649.10	12982
341	Security Inspection System	Set	1	19474.00	19474
342	Air Breathing Apparatus, Gas Masks, Overalls Uniforms, Helmets, Cabinets, Toolbox And Other Accidents	Batch	1	42431.00	42431
	Total				37182618
8.Gas Fractionation					
1	Depropanizer		1	336539.00	336539

2	Deethanizer		1	160630.00	160630
3	A Pure Propylene Column A		1	1463781.00	1463781
4	B Pure Propylene Column B		1	1450567.00	1450567
5	Depropanizer Feed Tank Heater Ⅱ		1	12177.00	12177
6	Depropanizer Reboiler Ⅱ		1	57001.00	57001
7	Depropanizer Aftercooler Ⅱ		2	55705.50	111411
8	Deethanizer Reboiler Ⅱ		1	34978.00	34978
9	Pure Propylene Column Reboiler Ⅱ		2	97160.50	194321
10	Pure Propylene Column Aftercooler Ⅱ		4	98456.00	393824
11	Propane Cooler		1	11659.00	11659
12	Pure Propylene Cooler Ⅱ		1	12177.00	12177
13	C4 Cooler Ⅱ		1	23578.00	23578
14	Deethanizer Aftercooler Ⅱ		1	21764.00	21764
15	Depropanizer Feed-C4 Heat ExchangerⅡ		1	12177.00	12177
16	Depropanizer Feed Tank Ⅱ		1	98663.00	98663
17	Depropanizer Reflux Drum Ⅲ		1	63478.00	63478
18	Deethanizer Reflux Drum Ⅲ		1	40626.00	40626
19	Pure Propylene Column Reflux Drum Ⅲ		1	139652.00	139652
20	Depropanizer Overhead Air-Cooled Heat Exchanger	T	59.45	2763.68	164301
21	Deethanizer Overhead Air-Cooled Heat Exchanger	T	24.58	2763.67	67931
22	Pure Propylene Column Overhead Air-Cooled Heat Exchanger	T	117.19	2763.67	323875
23	Enclosed Sampler Mb-Ii-A		1	2073.00	2073
24	Enclosed Sampler Mb-Ii-A		1	2073.00	2073
25	Enclosed Sampler Mb-Ii-A		1	2073.00	2073
26	Enclosed Sampler Mb-Ii-A		1	2073.00	2073
27	Enclosed Sampler Mb-Ii-A		1	2073.00	2073
28	Enclosed Sampler Mb-Ii-A		1	2073.00	2073
29	Enclosed Sampler Mb-Ii-A		1	2073.00	2073
30	Enclosed Sampler Mb-Ii-A		1	2073.00	2073
31	Depropanizer Feed Pump		2	36864.50	73729
32	Depropanizer Reflux Pump		2	16952.50	33905
33	Deethanizer Feed Pump		2	32303.00	64606
34	Deethanizer Reflux Pump		2	16853.00	33706
35	Pure Propylene Column Intermediate Pump		2	60307.00	120614
36	Pure Propylene Column Reflux Pump		2	60307.00	120614
37	Suspension Pump		1	7773.00	7773
38	Medium Voltage Switchgear （12kv,31.5ka,1250a）		4	19000.25	76001
39	Low Voltage Drawer Switchgear		14	9845.57	137838
40	Outdoor Explosion Proof Check And Repair Power Distribution Box		2	2073.00	4146
41	Outdoor Explosion Proof Power Distribution Box		4	2591.00	10364
42	Explosion-Proof Operation Post(With Ammeter)		12	172.75	2073
43	Explosion-Proof Operation Post		44	155.45	6840
44	Explosion-Proof Lighting Switch Box		4	2072.75	8291
45	Earthling Detecting Well		4	345.50	1382
46	Wireless Intercom(Cluster Type And Explosion-Proof)		2	863.50	1727

47	Explosion-Proof Manual Alarm Button	Set	3	172.67	518
48	Explosion-Proof Flame Detector	Set	2	2073.00	4146
49	Explosion-Proof Cable Junction Box		2	777.50	1555
50	Explosion-Proof Amplifying Intercom Station	Set	5	2591.00	12955
51	Explosion-Proof Outdoor Loudspeaker		5	345.40	1727
52	Explosion-Proof Outdoor Loudspeaker(With Driver)		4	345.50	1382
53	Explosion-Proof System Cable Junction Box		15	777.27	11659
54	Explosion-Proof Integrated Color Camera		2	6909.00	13818
55	Explosion-Proof Composite Box		2	863.50	1727
56	Bimetallic Thermometer(With Flange Jointing Sleeve)		25	86.36	2159
57	Leakage Proof Armored "E" Type Thermocouple		50	155.46	7773
58	Stainless Steel Pressure Gauge		40	38.00	1520
59	Stainless Steel Shock-Proof Pressure Gauge		20	62.20	1244
60	Throttle Device (Concentric Orifice Class300) Dn50 , Flange: Steel 20	Set	2	419.50	839
61	Throttle Device (Concentric Orifice Class300) Dn80 , Flange: Steel 20	Set	1	560.00	560
62	Throttle Device (Concentric Orifice Class300) Dn100 , Flange: Steel 20	Set	2	699.50	1399
63	Throttle Device (Concentric Orifice Class300) Dn150 , Flange: Steel 20	Set	4	839.50	3358
64	Throttle Device (Concentric Orifice Class300) Dn200 , Flange: Steel 20	Set	1	1119.00	1119
65	Throttle Device (Concentric Orifice Class300) Dn300 , Flange: Steel 20	Set	2	1399.00	2798
66	Throttle Device (Class300) Dn400 , (Concentric Orifice Class300) Dn400 , Flange: Steel 20	Set	1	1959.00	1959
67	Throttle Device (Concentric Orifice Class600)	Set	2	1088.00	2176
68	Ultrasonic Flow Meter 20" Ansi 150lb Rf		1	20728.00	20728
69	Ultrasonic Flow Meter18" Ansi 150lb Rf		1	18655.00	18655
70	Mass Flow Meter 2" Ansi 300lb Rf		1	12437.00	12437
71	Mass Flowmeter3" Ansi 300lb Rf		1	15857.00	15857
72	Mass Flowmeter4" Ansi 300lb Rf		1	17618.00	17618
73	Mass Flowmeter6" Ansi 300lb Rf		1	25840.00	25840
74	Glass Plate Liquid Level Gauge (Circle)		25	518.20	12955
75	Intelligent Pressure Transmitter		10	950.00	9500
76	Intelligent Differential Pressure Transmitter		18	1122.72	20209
77	Intelligent Double-Flange Differential Level Pressure Transmitter		9	1813.67	16323

78	Tc Input Safety Barrier (With Transmitter)		48	103.65	4975
79	Ai (4～20ma) Input Safety Barrier		48	103.65	4975
80	Ao (4～20ma) Output Safety Barrier		32	103.63	3316
81	Mv Surge Protector		48	86.38	4146
82	4-20ma Surge Protector(Two Lines)		80	86.36	6909
83	4-20ma Surge Protector (Three Lines)		16	86.38	1382
84	Di Surge Protector		64	86.36	5527
85	Do Surge Protector		32	86.38	2764
86	24v Dc Surge Protector		24	86.38	2073
87	Rs485 Surge Protector		3	86.33	259
88	In Situ Explosion-Proof Operation Column		6	155.50	933
89	Combustible Gas Detecting Transmitter	Set	8	1036.38	8291
90	Portable Combustible Gas Detector	Set	1	1555.00	1555
91	Propylene Content Analyzer	Set	1	62183.00	62183
92	Analyzer House		1	31091.00	31091
93	Globe Control Valve (Class300) Dn25 Rf，Material：Wcb		1	691.00	691
94	Globe Control Valve (Class300) Dn50 Rf，Material：Wcb		2	967.50	1935
95	Globe Control Valve (Class300) Dn80 Rf，Material：Wcb		1	2211.00	2211
96	Globe Control Valve (Class300) Dn100 Rf，Material：Wcb		3	3454.67	10364
97	Globe Control Valve (Class300) Dn150 Rf，Material：Wcb		5	7462.00	37310
98	Globe Control Valve (Class300) Dn200 Rf，Material：Wcb		1	8291.00	8291
99	Globe Control Valve (Class300) Dn250 Rf，Material：Wcb		2	13818.50	27637
100	Globe Control Valve (Class300) Dn300 Rf，Material：Wcb		3	20727.67	62183
101	Globe Control Valve (Class600)		2	4850.50	9701
102	Rotary Control Valve (Class300)		1	49746.00	49746
103	Double Rotary Butterfly Valve (Class300) Dn80 Rf，Material：Wcb		1	4146.00	4146
104	Double Rotary Butterfly Valve (Class300) Dn150 Rf，Material：Wcb		1	6909.00	6909
105	Intelligent Electric Valve Locator		25	518.20	12955
106	6″ Ansi 300lb Rf，Material：A105		1	13266.00	13266
107	8″ Ansi 300lb Rf，Material：A105		1	15200.00	15200
108	10″ Ansi 300lb Rf，Material：A105		1	16029.00	16029
109	18″ Ansi 300lb Rf，Material：A105		2	29018.50	58037
110	24v Dc Direct-Current Main (10a，Redundancy)		3	7462.00	22386
111	Power Supply Cabinet、Safety Barrier And Surge Protective Device Cabinet		4	3454.50	13818
112	Handheld Communication Device		1	1382.00	1382
113	Production Safety Checking System	Set	1	15546.00	15546
114	Stainless Steel Instrument Protective Box		2	345.50	691
115	Improved Safety Explosion Proof Instrument Junction Box		3	518.33	1555

116	Air Respirator、Gas Mask、Working Clothes	Batch	1	15822.00	15822
	Total				6710006
9.Isomerization					
1	First Phase Isomerization Reactor (III)		1	178472.00	178472
2	Second Phase Isomerization Reactor (III)Pwht		1	178472.00	178472
3	Deisopentanizer（Ⅰ）		1	161502.00	161502
4	Stabilizer（Ⅰ）		1	53469.00	53469
5	Deisopentanizer Feed Heat Exchanger（Ⅱ）		2	5736.50	11473
6	Deisopentanizer Overhead Water Cooler（Ⅰ）		1	13385.00	13385
7	Deisopentanizer Bottom Reboiler（Ⅰ）		1	36332.00	36332
8	Feed / Reaction Product Heat Exchanger（Ⅱ）		4	145327.25	581309
9	Intermediate Heat Exchanger（Ⅱ）		1	31488.00	31488
10	Reaction Product Water Cooler（Ⅱ）		1	25815.00	25815
11	Stabilizer Overhead Water Cooler（Ⅱ）		1	9752.00	9752
12	Stabilizer Bottom Reboiler（Ⅱ）		1	9752.00	9752
13	（Ⅱ）Stabilizer Feed Heat Exchanger		3	7840.00	23520
14	Stabilizer Bottomproduct Water Cooler（Ⅱ）		1	14342.00	14342
15	Recycle Hydrogen Compressor Recycle Cooler（Ⅱ）		1	9179.00	9179
16	Deisopentanizer Overhead Air-Cooled Heat Exchangers (Channel Pwht)	Piece	4	24315.50	97262
17	Reaction Product Air-Cooled Heat Exchangers	Piece	2	25941.00	51882
18	Stabilizer Overhead Air-Cooled Heat Exchangers	Piece	1	31684.00	31684
19	Feed Surge Tank（Ⅰ）		1	20805.00	20805
20	Deisopentanizer Reflux Drum（Ⅰ）		1	20805.00	20805
21	Gas Liquid Separator Tank（Ⅱ）		1	44414.00	44414
22	Compressor Suction Surge Tank（Ⅱ）		1	25942.00	25942
23	Stabilizer Reflux Drum（Ⅰ）		1	6119.00	6119
24	Molecular Sieve Tank（Ⅰ）		1	9179.00	9179
25	Active Carbon Tank（Ⅰ）		1	22946.00	22946
26	Slop Tank		1	3824.00	3824
27	Sampling Instrument		12	1835.75	22029
28	Silencer		1	2550.00	2550
29	Fire Arrestor		2	318.50	637
30	Recycle Hydrogen Compressor		2	321249.50	642499
31	Process Pump		10	13767.80	137678
32	Reaction Feed Heating Oven (1cr9mo)		1	9026.00	9026
33	High Voltage Switchgear		6	14022.83	84137
34	Dry-Type Power Transformer		2	12748.00	25496
35	Low Voltage Switchgear		18	7011.39	126205
36	Low Voltage Bus Tie Bridge		1	3187.00	3187
37	Restarting Cabinet Asb-48 Type	Set	1	20397.00	20397
38	Surge Protective Device		2	510.00	1020

39	Explosion-Proof Maintaining Power Box		4	1529.75	6119
40	Explosion-Proof Operation Column		25	127.48	3187
41	Explosion-Proof And Lighting(Power)Distribution Box		2	1530.00	3060
42	Administration Telephone		1	32.00	32
43	Plant Dispatching Telephone		1	32.00	32
44	Explosion-Proof Wireless Intercom		4	828.50	3314
45	Explosion Proof Manual Alarm Button		20	254.95	5099
46	Explosion Proof Flame Detector	Set	2	1530.00	3060
47	Explosion Proof Station		10	2294.60	22946
48	Explosion Proof Outdoor Speakers		10	255.00	2550
49	Explosion Proof Camera		2	5099.00	10198
50	Bimetal Thermometer Flange Rating Ansi 300#		45	63.73	2868
51	Thermocouple Flange Rating Ansi 300#		54	114.74	6196
52	Thermocouple Flange Rating Ansi 150#		10	114.70	1147
53	Three Point Type Thermocouple,T-Bar,Ansi300#		6	8031.17	48187
54	Knife Tough Type Thermocouple		6	1032.67	6196
55	General Pressure Gauge		54	28.04	1514
56	Throttle Device Dn400		1	1492.00	1492
57	Throttle Device Dn350		3	1376.67	4130
58	Throttle Device Dn300		2	1147.50	2295
59	Throttle Device Dn250		3	1032.67	3098
60	Throttle Device Dn200		4	917.75	3671
61	Throttle Device Dn150		3	688.33	2065
62	Throttle Device Dn100		3	573.67	1721
63	Throttle Device Dn80		3	459.00	1377
64	Throttle Device Dn50		1	344.00	344
65	Electromagnetic Flow Meter Pressure Rating Ansi 300# 8″		2	7585.00	15170
66	Mass Flow Meter 4″(Whole)		1	16254.00	16254
67	Mass Flow Meter 3″(Whole)		1	13003.00	13003
68	Glass-Plate Liquid Level Gauge (Transmission Type Of High Temperature Double Color)		16	344.19	5507
69	Float Liquid Level Gauge		7	2868.29	20078
70	Combustible Gas Detector		15	764.87	11473
71	Portable Combustible Gas Detector		1	1147.00	1147
72	Intelligent Electric Valve Locator		25	382.44	9561
73	Solenoid Valve (For Interlock)		10	917.90	9179
74	Intelligent Pressure Transmitter Gauge Type		15	701.13	10517
75	Intelligent Differential Pressure Transmitter Type		30	828.63	24859
76	Intelligent Differential Pressure Liquid Level Transmitter Remote Diaphragm Seal Double Flange Installation		5	1529.80	7649
77	Isolated Safety Barrier		190	76.49	14533
78	Production Safety Checking System	Set	1	11473.00	11473
79	Control Valvedn:10″ Valve Body Material:347ss		1	16254.00	16254

80	Single-Seater Control Valvedn:10″ Valve Body Material: Wcb		1	7043.00	7043
81	Single-Seater Control Valvedn:8″ Valve Body Material: Wcb		8	5417.88	43343
82	Single-Seater Control Valvedn:6″ Valve Body Material: Wcb		4	4334.25	17337
83	Single-Seater Control Valvedn:4″ Valve Body Material: Wcb		6	3792.50	22755
84	Single-Seater Control Valvedn:3″ Valve Body Material: Wcb		1	3576.00	3576
85	Single-Seater Control Valvedn:2″ Valve Body Material:Wcb		4	2709.00	10836
86	Shut-Off Valvedn300		2	8668.50	17337
87	Through Way Ball Valve Dn200		1	7043.00	7043
88	Through Way Ball Valve Dn150		2	6501.50	13003
89	Through Way Ball Valve Dn100		1	5743.00	5743
90	Through Way Ball Valve Dn80		1	7043.00	7043
91	Safety Barrier Terminal Cabinet		1	2295.00	2295
92	Power Supply Cabinet		1	2550.00	2550
93	24vdirect-Current Main	Set	1	6884.00	6884
94	Stainless Instrument Box		45	254.96	11473
95	Junction Box		40	573.65	22946
96	Fire House Dn150 Pn1.6mpa		4	510.00	2040
97	Fire Monitordn100 Pn1.6mpa		3	1529.67	4589
98	Fire Hose Reel Dn65 Pn1.6mpa		9	509.89	4589
99	Air Respirator、Long Tube Type Air Exchanger	Set	1	12748.00	12748
100	Portable Dry Powder Fire Extinguisher	Set	40	25.50	1020
101	Fire Extinguisher Box	Set	20	19.10	382
102	Cart Type Fire Extinguisher		2	191.00	382
	Total				3307497
10.Sulfur Recovery Unit					
1	Regeneration Tower Class B	-	1	518964.00	518964
2	Liquid One Stage Heat Exchanger Class B	-	2	284040.50	568081
3	Liquid Two Stage Heat Exchanger Class B	-	2	46211.00	92422
4	Acidic Gas Water Cooler Class B	-	1	28186.00	28186
5	Reboiler Class B	-	2	539676.50	1079353
6	Acidic Gas Air Cooler	-	4	233268.00	933072
7	Lean Liquid Cooler	-	6	51447.67	308686
8	Rich Liquid Flash Evaporation Tank Class B	-	1	57682.00	57682
9	Acidic Gas Liquid Separation Tank Class B	-	1	14421.00	14421
10	Solvent Buffer Tank (Atmospheric)	-	1	76669.00	76669
11	Condensation Tank Class A	-	1	7079.00	7079
12	Underground Solvent Tank (Atmospheric)	-	1	4829.00	4829
13	Lean Solvent Filtration Facilities	-	1	52438.00	52438
14	Pregnant Solution Filter	-	1	65548.00	65548
15	Resistance Bulb Agent Added Facilities	-	1	13110.00	13110
16	A Steam Desuperheater	-	1	8740.00	8740

17	Acidity Gas Sealed Sampler	-	1	2622.00	2622
18	Hydrocarbon Sealed Sampler	-	1	2622.00	2622
19	Acidic Water Closed Sampler	-	1	2622.00	2622
20	Rich Liquid Sealed Sampler	-	1	2622.00	2622
21	Primary Reactor	-	2	109333.50	218667
22	Secondary Reactor	-	2	109333.50	218667
23	Hydrogenator	-	1	156432.00	156432
24	Quench Tower	-	1	278298.00	278298
25	Exhaust Gas Absorber	-	1	66203.00	66203
26	Regeneration Tower Class B	-	1	248339.00	248339
27	Primary Cooler Class A	-	2	104876.50	209753
28	Secondary Cooler Class A	-	2	104876.50	209753
29	Tertiary Cooler Class A	-	2	78657.50	157315
30	Primary Reaction Heater Class B	-	2	57354.50	114709
31	Secondary Reaction Heater Class B	-	2	57354.50	114709
32	Water Cooler Class B	-	1	4916.00	4916
33	Quench Water Cooler Class A	-	1	273116.00	273116
34	A, Ba ～ D And Rich Liquid Heat Exchangerclass B	-	1	240342.00	240342
35	Regeneration Of Overhead Condenser Class B	-	1	18026.00	18026
36	Reboiler Class B	-	1	426060.00	426060
37	Lean Liquid Coolerclass A	-	2	37690.00	75380
38	Stripping Of Acidic Gas Preheater Class B	-	1	10815.00	10815
39	Regeneration Of Acid Gas Preheater Class B	-	1	36051.00	36051
40	Air Preheater Class B	-	2	29496.50	58993
41	Acidic Gas Air Cooler	-	2	168272.00	336544
42	Quench Air Cooler	-	2	91282.00	182564
43	Regeneration Of Acid Gas Liquid Separation Tank	-	1	19664.00	19664
44	Exhaust Collector Class A	-	2	24908.00	49816
45	Combustion Furnace Waste Heat Boiler Sulfur Sealing Facilities	-	2	12290.00	24580
46	Primary Sulfur Sealing Facilities	-	2	12290.00	24580
47	Secondary Sulfur Sealing Facilities	-	2	12290.00	24580
48	Tertiary Sulfur Sealing Facilities	-	2	12290.00	24580
49	Fuel Gas Scrubber Class B	-	1	2622.00	2622
50	Blow-Down Drum Class A	-	1	3933.00	3933
51	Circulating Water Recovery Tank (Atmospheric)	-	1	12433.00	12433
52	Purification Of Air Separation Tanks Class A	-	1	18288.00	18288
53	Purification Air Tankclass A	-	1	5080.00	5080
54	Gas Liquid Separation Tankclass A	-	1	2622.00	2622
55	Stripping Acidic Gas Liquid Separation Tank Class A	-	1	5244.00	5244
56	Regeneration Tower Top Reflux Tank Class B	-	1	10488.00	10488
57	Condensation Tank Class A	-	1	6555.00	6555
58	Solvent Buffer Tank Class A	-	1	22352.00	22352
59	1.0mpa Steam Water Separator Class A	-	1	2622.00	2622
60	0.4mpa Steam Water Separator Class A	-	1	20975.00	20975

61	Steam Ejector	-	4	1748.00	6992
62	Chilled Water Filter	-	2	11471.00	22942
63	Lean Solvent Filtration Facilities	-	1	29496.00	29496
64	Circulating Water Filter	-	1	2622.00	2622
65	Circulating Water Filter	-	1	2622.00	2622
66	Fuel Gas Back-Fire Relief Valve	-	4	655.50	2622
67	Fuel Gas Back-Fire Relief Valve	-	2	655.50	1311
68	Fuel Gas Back-Fire Relief Valve	-	2	655.50	1311
69	Exhaust Gas Back-Fire Relief Valve	-	2	655.50	1311
70	Fuel Gas Back-Fire Relief Valve	-	4	327.75	1311
71	Fuel Gas Back-Fire Relief Valve	-	2	327.50	655
72	Medium Pressure Steam Dosing Facilities	-	1	19664.00	19664
73	Low Pressure Steam Dosing Facilities	-	1	22122.00	22122
74	Low Pressure Steam Dosing Facilities	-	1	14748.00	14748
75	Process Gas And Hydrogenmixer	-	1	32774.00	32774
76	Steam Desuperheater	-	1	8740.00	8740
77	Acidic Gas Sampler	-	1	2622.00	2622
78	Rich Liquid Sampler	-	1	2622.00	2622
79	Acidic Water Closed Sampler	-	1	2622.00	2622
80	Sampling Cooler (Four)	-	3	1311.00	3933
81	Sampling Cooler (Double)	-	7	983.29	6883
82	Process Gas Sampler	-	8	327.75	2622
83	Silencer	-	2	2185.00	4370
84	Silencer	-	2	2185.00	4370
85	Silencer	-	2	2185.00	4370
86	Primary Stripper Class B	-	1	259742.00	259742
87	Raw Water - Water Heat Exchanger Class B	-	4	34958.75	139835
88	Purification Of Water Cooler Class A	-	2	3277.50	6555
89	Water Purifying Air Cooler	-	2	42824.50	85649
90	Acidic Gas Air Cooler	-	4	192835.00	771340
91	Raw Water Degassing Tank Class B	-	1	23597.00	23597
92	Raw Water Tank A	-	1	132185.00	132185
93	Built-In Oil Automatic Collector	Set	1	90128.00	90128
94	Raw Water Tank B	-	1	132185.00	132185
95	Sand Filter	-	2	49161.00	98322
96	Underground Waste Oil Tank (Atmospheric)	-	1	4643.00	4643
97	Overhead Reflux Tank Class B	-	1	13110.00	13110
98	Condensation Tank Class A	-	1	7079.00	7079
99	Water-Sealed Tank Class A	-	2	2235.00	4470
100	Steam Expanding Vessel Class A	-	1	11799.00	11799
101	Raw Water Filter	-	2	1092.50	2185
102	Acidic Water Closed Sampler	-	3	2622.00	7866
103	Acidity Gas Sealed Sampler	-	1	2622.00	2622
104	Exhaust Deodorization Facilities	-	1	131096.00	131096
105	Demulsifier Added Facilities	-	1	17479.00	17479
106	Solvent Circulating Pump	-	2	17130.00	34260
107	Rich Solvent Pump	-	2	24471.00	48942
108	Regeneration Tower Top Reflux Pump	-	2	6118.00	12236
109	Flux Pump	-	1	4370.00	4370
110	Solvent Pump	-	2	31463.00	62926
111	Resistance Bulb Agent Pump	-	1	5244.00	5244

112	Underground Solvent Pump	-	1	6118.00	6118
113	Liquid Sulfur Degassing Pump	-	4	22723.25	90893
114	Liquid Sulfur Pump	-	4	21499.75	85999
115	Chilled Water Pump	-	2	16081.00	32162
116	Rich Liquid Pump	-	2	12165.50	24331
117	Circulating Pump	-	2	8040.50	16081
118	Regeneration Of Acid Gas Condensate Pump	-	2	6467.50	12935
119	Stripping Acidic Gas Condensate Pump	-	2	6467.50	12935
120	Regeneration Tower Top Reflux Pump	-	2	6118.00	12236
121	Lean Solution Pump	-	2	10662.50	21325
122	Flux Pump	-	1	4370.00	4370
123	Raw Water Pump	-	2	22723.00	45446
124	Feed Water Booster Pump	-	2	17130.00	34260
125	Purifying Water Pump	-	2	10662.50	21325
126	Overhead Reflux Pump	-	2	9613.50	19227
127	Underground Sump Pump	-	1	7341.00	7341
128	Liquid Flow Stabilizing Valve	-	2	10924.50	21849
129	Sulfur Pelleting Machine 5.5t/H	-	4	185718.75	742875
130	Automatic Packaging Stacking Machine 30t/H	-	1	349588.00	349588
131	Explosion Proof Forklift Battery 2.5t	-	4	61178.00	244712
132	Manual Electric Lifting Beams 3t	-	1	17479.00	17479
133	Forklift Pallet 1400×1200×150	-	600	65.55	39329
134	Steam Ejector	-	2	32774.00	65548
135	Acid Gas Combustion Furnace	-	2	60085.50	120171
136	Combustion Furnace Blower	-	2	104876.50	209753
137	Combustion Furnace Blower	-	1	104876.00	104876
138	Combustion Of Acid Gas Furnace Waste Heat Boiler	-	2	157314.50	314629
139	Tail Gas Incinerator	-	1	131096.00	131096
140	Gas Burning Furnace Blower	-	2	41513.50	83027
141	Acidic Gas Waste Heat Boiler Drum	-	1	131096.00	131096
142	Treatment Of Tail Gas Waste Heat Boiler	-	1	91767.00	91767
143	Incineration Furnace Waste Heat Boiler	-	1	222862.00	222862
144	Tail Gas Incinerator	-	1	26219.00	26219
145	Liquid Sulfur Pond	-	2	24121.50	48243
146	Combustion Of Acid Gas Stove Burner	Set	2	131095.50	262191
147	Incinerator Burner	Set	1	65548.00	65548
148	Tail Gas Incinerator	Set	1	131096.00	131096
149	Power Transformers10-M-1250/10 1250kva Ud=4.5%	-	4	34139.50	136558
150	Medium Voltage Switch Cabinet (12kv,31.5ka,1250a)	-	16	24034.19	384547
151	High Voltage Bus Bar Contact Bridge	Set	2	5462.50	10925
152	Low Voltage Switch Cabinet	-	34	12454.09	423439
153	Low Voltage Line Bridge	M	40	1365.58	54623
154	Low Voltage Bus Bar Contact Bridge	Set	4	5462.25	21849
155	Frequency Conversion Cabinet380v 30kw	-	6	10924.67	65548
156	Intelligent Dc Power Supply	Set	1	43699.00	43699
157	Cabinet Lighting (Drawer Type)	-	3	10924.67	32774
158	Intelligent Lighting Controller	Set	1	10925.00	10925

159	Eps Power Supply Device 20kva	Set	1	32774.00	32774
160	Ups Power Supply Device 25kva	Set	2	43698.50	87397
161	Ups Power Supply Device 8kva	Set	1	17479.00	17479
162	Substation Automation Substation	Set	1	65548.00	65548
163	Substation Video Monitoring System	Set	1	32774.00	32774
164	Five Prevention Operation Latching System	Set	1	32774.00	32774
165	Terminal Cabinet	-	1	2185.00	2185
166	Small Current Line Selection Device (40 Lines)	Set	1	437.00	437
167	Surge Protective Device	-	4	874.00	3496
168	Power Box	-	2	655.50	1311
169	Quadrupole Air Switch Box 63a	-	4	109.25	437
170	Polar Air Switch Box 20a	-	10	109.20	1092
171	Explosion Box Power Box	-	5	2622.00	13110
172	Explosion Box Power Box	-	2	3277.50	6555
173	Explosion-Proof Operation Column (With Current Meter)	-	24	218.50	5244
174	Explosion-Proof Operation Column	-	51	196.65	10029
175	Lighting Power Distribution Panel	-	3	437.00	1311
176	Explosion-Proof Lighting Distribution Box	-	5	3277.40	16387
177	Grounding Inspection Well	-	4	437.00	1748
178	Network Switch (24)	Set	1	5462.00	5462
179	Network Equipment Wiring Cabinets	Set	1	6555.00	6555
180	Voice Distribution Frame	Set	1	2185.00	2185
181	Digital Distribution Frame	Set	1	2185.00	2185
182	Optical Fiber Distribution Frame And Optical Transceiver	Set	1	2185.00	2185
183	Key Pad Telephone Set	-	6	43.67	262
184	Explosion Proof Push Button Telephone	-	2	546.00	1092
185	Wireless Intercom	-	4	1092.50	4370
186	Loadspeaking Intercom Control Cabinet	Set	1	10925.00	10925
187	Desktop Loadspeaking Intercom Station	Set	1	2622.00	2622
188	Explosion-Proof Type Amplifying Intercom Station	Set	12	3277.42	39329
189	Explosion-Proof Type Amplifying Intercom Station	Set	3	3277.33	9832
190	Explosion-Proof Type Outdoor Speakers	-	17	437.00	7429
191	Explosion-Proof Type Outdoor Speakers	-	3	437.00	1311
192	Explosion Proof Type System Electric Cable Junction Box	-	25	655.48	16387
193	Explosion Proof Type System Electric Cable Junction Box	-	5	655.40	3277
194	Fire Alarm Controller	Set	1	17479.00	17479
195	Fire Alarm Module Junction Box	Set	1	983.00	983
196	Fire Through Telephone	-	1	44.00	44
197	Photoelectric Type Smoke Detector	Set	85	109.25	9286
198	Temperature Detector	Set	5	109.20	546
199	Manual Alarm Button	Set	8	109.25	874
200	Explosion-Proof Type Manual Alarm Button	Set	20	218.50	4370
201	Explosion Proof Coding Manual Alarm Button	-	6	218.50	1311

202	Audible And Visual Alarm	Set	8	218.50	1748
203	Module (Signal Input Module - Mounted In The Junction Box)	Set	40	873.98	34959
204	Module (Signal Input With The Temperature Electric Cable Use)	Set	1	874.00	874
205	Electric Cable Junction Box (8 For Terminal)	-	6	655.50	3933
206	Bimetallic Thermometeransi 150lb	-	8	109.25	874
207	Bimetallic Thermometeransi 300lb	-	90	109.24	9832
208	Bimetallic Thermometeransi 600lb	-	3	137.67	413
209	Leakage Proof Armoredthermocoupleansi 300lb	-	105	196.65	20648
210	Leakage Proof Armoredthermocoupleansi 600lb	-	14	196.64	2753
211	Leakage Proof Armoredthermocoupleansi 150lb	-	14	196.64	2753
212	Leakage Proof Armoredthermocoupleansi 150lb	-	9	196.67	1770
213	Leakage Proof Armoredthermocoupleansi 150lb	-	5	3932.80	19664
214	Reactor Thermocoupleansi 300lb	-	32	983.22	31463
215	Stainless Steel Pressure Gauge	-	141	48.07	6778
216	Capsule Pressure Gauge	-	16	196.63	3146
217	Pressure Gauge	-	44	78.66	3461
218	Diaphragm	-	31	393.29	12192
219	Shockproof Diaphragm Pressure Gauge	-	10	413.00	4130
220	Concentric Orificedn40 300lb	-	10	491.60	4916
221	Concentric Orificedn50 300lb	-	10	589.90	5899
222	Concentric Orificedn80 300lb	-	12	786.58	9439
223	Concentric Orificedn100 300lb	-	3	983.33	2950
224	Concentric Orificedn150 300lb	-	6	1179.83	7079
225	Concentric Orificedn200 300lb	-	5	1573.20	7866
226	Concentric Orificedn250 300lb	-	1	1770.00	1770
227	Concentric Orificedn300 300lb	-	2	1966.50	3933
228	Concentric Orificedn350 300lb	-	2	2359.50	4719
229	Concentric Orificedn400 300lb	-	1	2753.00	2753
230	Concentric Orificedn500 300lb	-	1	3146.00	3146
231	Concentric Orificedn40 600lb	-	5	786.60	3933
232	Concentric Orificedn50 600lb	-	2	885.00	1770
233	Concentric Orificedn80 600lb	-	1	983.00	983
234	Concentric Orificedn100 600lb	-	2	1180.00	2360
235	Concentric Orificedn200 600lb	-	1	1868.00	1868
236	Concentric Orificedn250 600lb	-	1	2163.00	2163
237	Venturi Dn200 150lb	-	3	1802.67	5408
238	Venturi Dn250 150lb	-	2	1966.50	3933
239	Venturi Dn300 150lb	-	2	2458.00	4916
240	Venturi Dn350 150lb	-	1	3277.00	3277
241	Venturi Dn400 150lb	-	2	4096.50	8193
242	Venturi Dn450 150lb	-	1	5244.00	5244
243	Venturi Dn600 150lb	-	3	9012.67	27038
244	Venturi Dn700 150lb	-	2	11143.00	22286
245	Integrated Orifice Plate Flowmeter Dn15 300lb	-	9	7865.78	70792

246	Integrated Orifice Plate Flowmeter Dn25 600lb	-	1	8259.00	8259
247	Vortex Shedding Flowmeterdn50 300lb	-	3	7472.33	22417
248	Vortex Shedding Flowmeterdn80 300lb	-	2	8849.00	17698
249	Vortex Shedding Flowmeterdn100 300lb	-	1	9286.00	9286
250	Vortex Shedding Flowmeterdn150 300lb	-	2	12071.50	24143
251	Vortex Shedding Flowmeterdn200 300lb	-	1	13000.00	13000
252	Vortex Shedding Flowmeterdn300 300lb	-	1	14202.00	14202
253	Vortex Shedding Flowmeterdn50 600lb	-	1	8740.00	8740
254	Ultrasonic Flowmeterdn500 150lb	-	1	34959.00	34959
255	Electromagnetic Flowmeterdn80 300lb	-	2	1311.00	2622
256	Electromagnetic Flowmeterdn100 300lb	-	1	3059.00	3059
257	Electromagnetic Flowmeterdn150 300lb	-	1	4588.00	4588
258	Electromagnetic Flowmeterdn200 300lb	-	3	5680.67	17042
259	Electromagnetic Flowmeterdn300 300lb	-	1	6992.00	6992
260	Electromagnetic Flowmeterdn350 300lb	-	1	8521.00	8521
261	Jacketed Type Wedge Flow Meterdn100 300lb	-	2	9471.50	18943
262	Jacketed Type Wedge Flow Meterdn150 300lb	-	2	11050.50	22101
263	Jacketed Type Wedge Flow Meterdn250 300lb	-	1	13139.00	13139
264	Outer Buoy Level Meteransi 300lb	-	11	4916.09	54077
265	Inner Float Liquid Level Gauge Ansi 300lb	-	2	3146.50	6293
266	Radar Liquid Level Meter Ansi 300lb	-	3	5899.33	17698
267	Guide Wave Radar Liquid Level Gauge Ansi 300lb	-	1	5899.00	5899
268	Fork Liquid Level Switch Ansi 150lb	-	8	983.25	7866
269	Glass Plate Liquid Level Gauge 300lb Carbon Steel	-	25	589.92	14748
270	Glass Plate Liquid Level Gauge Of 300lb Stainless Steel	-	35	786.57	27530
271	Glass Plate Liquid Level Gauge 600lb Carbon Steel	-	7	786.57	5506
272	Pressure Transmitter	-	103	1201.71	123776
273	Single Flange Pressure Transmitter	-	4	2185.00	8740
274	Single Flange Liquid Level Transmitter	-	1	2185.00	2185
275	Differential Pressure Transmitter	-	132	1310.95	173046
276	Double Flange Differential Pressure Transmitteransi 150lb	-	20	2621.90	52438
277	Double Flange Level Transmitteransi 300lb	-	9	2621.89	23597
278	Double Flange Level Transmitter Ansi 600lb	-	3	2622.00	7866
279	Balance Container	-	6	2185.00	13110
280	Tc Input Safety Barrier (Belt Transmission)	-	200	131.10	26219
281	Ai (4～20ma) Input Safety Barrier	-	500	131.10	65548
282	Ao (4～20ma) Output Safety Barrier	-	150	131.09	19664
283	Mvsurge Protective Device	-	200	109.25	21849
284	4-20masurge Protective Device (Two-Wire System)	-	500	109.25	54623

285	4-20masurge Protective Device (Three-Wire System)	-	100	109.25	10925
286	Disurge Protective Device	-	200	109.25	21849
287	Dosurge Protective Device	-	100	109.25	10925
288	24v Dcsurge Protective Device	-	30	109.23	3277
289	220v Acsurge Protective Device	-	30	109.23	3277
290	Rs485surge Protective Device	-	10	109.20	1092
291	Infrared Radiation Thermometer	Set	4	39328.75	157315
292	Zirconia Oxygen Analyzer	Set	1	21849.00	21849
293	The Ph Analyzer	Set	1	10925.00	10925
294	Hydrogen Analyzer	Set	1	54623.00	54623
295	The Ratio Of H2s/So2 Analyzer	Set	2	125353.50	250707
296	Flue Gas Continuous Emission Monitoring System	Set	1	120171.00	120171
297	Density Gauge Analyzer	Set	1	41785.00	41785
298	Combustible Gas Detection Transmitter	Set	29	1310.97	38018
299	Portable Type Combustible Gas Detector	Set	6	1966.50	11799
300	Toxic Gas Detection Transmitter	Set	58	1310.95	76035
301	Toxic Gas Detector	Set	8	1966.38	15731
302	Pneumatic Film Regulating Valve Dn25 Carbon Steel	-	18	3342.94	60173
303	Pneumatic Film Regulating Valve Dn40 Carbon Steel	-	10	4085.80	40858
304	Pneumatic Film Regulating Valve Dn50 Carbon Steel	-	4	4643.00	18572
305	Pneumatic Film Regulating Valve Dn80 Carbon Steel	-	8	6128.75	49030
306	Pneumatic Film Regulating Valve Dn100 Carbon Steel	-	4	6500.25	26001
307	Pneumatic Film Regulating Valve Dn100 316ss	-	1	13110.00	13110
308	Pneumatic Film Regulating Valve Dn150 316ss	-	1	14857.00	14857
309	Pneumatic Film Regulating Valve Dn40 316ss	-	1	6500.00	6500
310	Pneumatic Film Regulating Valve Dn25 316ss	-	1	7429.00	7429
311	Pneumatic Film Regulating Valve Dn50 Carbon Steel 600lb	-	1	5572.00	5572
312	Pneumatic Film Regulating Valve Dn40 Carbon Steel 600lb	-	4	4828.75	19315
313	Pneumatic Film Regulating Valve Dn25 Carbon Steel 600lb	-	4	3714.25	14857
314	Pneumatic Film Sleeve Regulating Valve Dn80 Carbon Steel	-	3	6128.67	18386
315	Pneumatic Film Sleeve Regulating Valve Dn100 Carbon Steel	-	7	6500.14	45501
316	Pneumatic Film Sleeve Regulating Valve Dn150 Carbon Steel	-	8	7428.75	59430
317	Pneumatic Film Sleeve Regulating Valve Dn200 Carbon Steel	-	1	9286.00	9286
318	Pneumatic Film Sleeve Regulating Valve Dn250 Carbon Steel	-	2	11143.00	22286

319	Pneumatic Film Sleeve Regulating Valve Dn200 316ss	-	3	16714.67	50144
320	Pneumatic Film Sleeve Regulating Valve Dn150 316ss	-	1	13000.00	13000
321	Pneumatic Film Sleeve Regulating Valve Dn100 316ss	-	2	11143.00	22286
322	Pneumatic Film Sleeve Regulating Valve Dn100 Carbon Steel 600lb	-	3	9286.00	27858
323	Pneumatic Film Sleeve Regulating Valve Dn150 Chrome-Molybdenum Steel 600lb	-	1	11143.00	11143
324	Jacketed Typepneumatic Filmcontrol Valve Dn150/200 Carbon Steel	-	4	9286.00	37144
325	High Performance Butterfly Valve (Three Eccentric)Dn150 Carbon Steel	-	2	29715.00	59430
326	High Performance Butterfly Valve (Double Eccentric) Dn200 Carbon Steel	-	1	9286.00	9286
327	High Performance Butterfly Valve (Double Eccentric) Dn300 Carbon Steel	-	2	14857.50	29715
328	High Performance Butterfly Valve (Double Eccentric) Dn350 Carbon Steel	-	5	22286.20	111431
329	High Performance Butterfly Valve (Double Eccentric) Dn400 Carbon Steel	-	2	26000.50	52001
330	High Performance Butterfly Valve (Double Eccentric) Dn450 Carbon Steel	-	3	31572.33	94717
331	High Performance Butterfly Valve (Double Eccentric) Dn600 Carbon Steel	-	5	37143.80	185719
332	Jacketed Type Regulating Butterfly Valve Dn500 Carbon Steel	-	4	37143.75	148575
333	Jacketed Type Regulating Butterfly Valve Dn200/250 Carbon Steel	-	1	14857.00	14857
334	Jacketed Type Regulating Butterfly Valve Dn150/200 Carbon Steel	-	2	12071.50	24143
335	Rotary Eccentric Plug Valve Dn150 Carbon Steel	-	1	17643.00	17643
336	Rotary Eccentric Plug Valve Dn250 Carbon Steel	-	1	25072.00	25072
337	Rotary Eccentric Plug Valve Dn200 316ss	-	1	33429.00	33429
338	Pneumatic Cut-Off Valvedn20 Carbon Steel	-	6	5571.50	33429
339	Pneumatic Cut-Off Valvedn50 Carbon Steel	-	5	7428.80	37144
340	Pneumatic Cut-Off Valvedn80 Carbon Steel	-	4	8357.25	33429
341	Pneumatic Cut-Off Valvedn150 Carbon Steel	-	2	11143.00	22286
342	Pneumatic Cut-Off Valvedn250 Carbon Steel	-	2	13000.50	26001
343	Pneumatic Cut-Off Valvedn25 Carbon Steel 600lb	-	1	7429.00	7429
344	Pneumatic Cut-Off Valvedn200 Carbon Steel 600lb	-	1	13000.00	13000

345	Pneumatic Cut-Off Valvedn150 Carbon Steel 600lb	-	1	12072.00	12072
346	Pneumatic Cut-Off Valvedn250 Wc6 600lb	-	1	14857.00	14857
347	Pneumatic Cut-Off Valvedn700 Pressure Control Valve	-	1	39329.00	39329
348	Pneumatic Cut-Off Valvedn700 Control Valve	-	1	39329.00	39329
349	Intelligent Electric / Gas Valve Locator	-	130	1310.95	170424
350	Asco Electromagnetic Valve	-	30	1573.13	47194
351	Automatic Adjustment Valvedn20 Carbon Steel	-	6	4643.00	27858
352	24v Dc Dc Power Supply (Redundancy)	-	4	11798.50	47194
353	Power Supply Cabinet、Safety Barrier Cabinet & Surge Protective Device Cabinet	-	10	4369.90	43699
354	Hart Handheld Communications Device	-	1	1398.00	1398
355	Security Inspection System	Set	1	19664.00	19664
356	Stainless Steel Instrument Protection Box	-	5	437.00	2185
357	Increased Safety Type, Explosion-Proof Instrument Junction Box	-	20	983.20	19664
358	Analyse Instrument	-	1	65548.00	65548
359	Air Cooling Air Cooling Type Air Conditioner Lf-16w	-	8	7647.25	61178
360	Air Temperature And Humidity Air-Conditioner Hf63n	-	2	63363.00	126726
361	Multifunctional Air Purification Unit Jz-18b	-	2	8739.50	17479
362	Explosion Proof Wall Type Exhaust Fan	-	20	1310.95	26219
363	Side Wall Type Exhaust Fan	-	13	983.23	12782
364	Wall Fan	-	5	983.20	4916
365	Model Mf8 Portable Dry Powder Fire Extinguisher	-	210	43.70	9177
366	Small Fire Extinguisher Box (3 Installed)	-	70	39.33	2753
367	Mft35 Cart-Type Dry Powder Fire Extinguisher	-	6	327.67	1966
368	Portable Carbon Dioxide Fire Extinguishers Mt5	-	54	43.70	2360
369	Portable Co2 Fire Extinguisher Box	-	27	32.78	885
370	Personal Protective Articles	Batch	1	40224.00	40224
	Total				20271041
11.Product Purification Unit					
1	Saturated Dry Gas Desulfurization Tower Class B	-	1	95598.00	95598
2	Dry Saturated Gas Liquid Separation Tank Class B	-	1	73405.00	73405
3	Purification Of Saturated Dry Gas Amine Liquid Recovery Device	-	1	61528.00	61528
4	Dry Saturated Gas Cooler Class B	-	1	20122.00	20122
5	Dry Saturated Vapor Sealed Sampler	-	2	2146.50	4293
6	Rich Liquid Sealed Sampler	-	1	2146.00	2146

7	Mixed Dry Gas Desulfurization Tower Class B	-	1	82355.00	82355
8	Mixed Dry Gas Liquid Separation Tank Class B	-	1	63209.00	63209
9	Rich Liquid Flash Evaporation Tank Class B	-	1	26507.00	26507
10	Mixed Dry Gas Cooler Class B	-	1	20122.00	20122
11	Mixed Dry Gas Sealing Sampler	-	2	2146.50	4293
12	Hydrocarbon Sealed Sampler	-	1	2146.00	2146
13	Rich Liquid Sealed Sampler I	-	1	2146.00	2146
14	Rich Liquid Sealed Sampler II	-	1	2146.00	2146
15	Mixed Liquefied Petroleum Gas Desulfurization Tower Class C	-	1	109463.00	109463
16	Mixed Liquefied Petroleum Gas Buffer Tank Class B	-	1	36702.00	36702
17	Mixed Liquefied Petroleum Gas Amine Liquid Recovery	-	1	44358.00	44358
18	Primary Mercaptan Extraction And Sedimentation Tank Class C	-	1	41214.00	41214
19	Secondary Mercaptan Extraction And Sedimentation Tank Class C	-	1	41214.00	41214
20	Washing Tank Class C	-	1	41214.00	41214
21	Underground Solvent Tank (Atmospheric)	-	1	5777.00	5777
22	Solvent Buffer Tank (Atmospheric)	-	1	15903.00	15903
23	Nitrogen Water Seal Tank (Atmospheric)	-	1	2085.00	2085
24	Primary Mercaptan Extraction Reactor	-	1	71544.00	71544
25	Secondary Mercaptan Extraction Reactor	-	1	71544.00	71544
26	Water Reactor	-	1	64390.00	64390
27	Lpg Filter	-	2	6582.00	13164
28	Desalted Water Filter	-	1	3577.00	3577
29	Mixed Liquefied Petroleum	-	4	2146.25	8585
30	Rich Liquid Sealed Sampler	-	1	2146.00	2146
31	Catalytic Liquefied Petroleum Gas Desulfurization Tower Class C	-	1	191560.00	191560
32	Catalytic Lpg Amine Solution Recovery Tank	-	1	64390.00	64390
33	Primary Extraction And Sedimentation Tank Class C	-	1	87423.00	87423
34	Secondary Extraction And Sedimentation Tank Of Mercaptan Class C	-	1	87423.00	87423
35	Washing Tank Class C	-	1	87423.00	87423
36	Primary Mercaptan Extraction Reactor	-	1	143089.00	143089
37	Secondary Mercaptan Extraction Reactor	-	1	143089.00	143089
38	Water Reactor	-	1	135934.00	135934
39	Lpg Filter	-	2	14309.00	28618
40	Catalytic Liquefied Petroleum	-	4	2146.25	8585
41	Rich Liquid Sealed Sampler	-	1	2146.00	2146
42	Oxidation Tower Class A	-	1	21678.00	21678
43	Bisulfide Separation Tank Class A	-	1	106029.00	106029

44	Lye Recycling Settling Tank Class B	-	1	30585.00	30585
45	Gas Liquid Separation Tank Class A	-	1	5098.00	5098
46	Lye Tank (Atmospheric)	-	1	12306.00	12306
47	Catalyst Alkaline Solution Tank I (Atmospheric)	-	1	34986.00	34986
48	Catalyst Alkaline Solution Tank Ii (Atmospheric)	-	1	13185.00	13185
49	Underground Residue Tank (Atmospheric)	-	1	5777.00	5777
50	Gas-Liquid Separation Tank Class B	-	1	3059.00	3059
51	Dilute Lye Tank (Atmospheric)	-	1	11427.00	11427
52	Solution Heater Class B	-	1	8585.00	8585
53	Lye Cooler Class B	-	1	14756.00	14756
54	Lean Liquid Cooler Class B	-	2	38097.50	76195
55	Naphtha Coalescer	-	1	10302.00	10302
56	Lye Recycling Reactor	-	1	128780.00	128780
57	Regeneration Lye Filter	-	2	4149.50	8299
58	Naphtha Filter	-	2	858.50	1717
59	Non Air Purification Filter	-	2	7154.50	14309
60	Fresh Lye Filter	-	2	2146.50	4293
61	Lye - Air Mixer	-	1	2576.00	2576
62	Exhaust Closed Sampler	-	1	2146.00	2146
63	Gasoline Sweetening Extraction Tower Class B	-	1	52027.00	52027
64	Oxidation Tower Class A	-	1	16258.00	16258
65	Gasoline Filter Tower Class B	-	1	11923.00	11923
66	Solution Heater Class B	-	1	6976.00	6976
67	Lye Cooler Class B	-	1	12341.00	12341
68	Gasoline Prealkali Washing Sedimentation Tank Class B	-	1	16176.00	16176
69	Washing Alkali Sedimentation Tank Class B	-	1	16176.00	16176
70	Bisulfide Separation Tank Class A	-	1	48936.00	48936
71	Lye Recycling Settling Tank Class B	-	1	16312.00	16312
72	Gas Liquid Separation Tank Class A	-	1	1631.00	1631
73	Anti Adhesive Agent Dissolving Tank Class B	-	1	3951.00	3951
74	Anti Adhesive Agent Tank Class B	-	1	11852.00	11852
75	Gasoline - Lye Mixer	-	1	4293.00	4293
76	Aqueous Alkali Mixer	-	1	4293.00	4293
77	Lye - Air Mixer	-	1	715.00	715
78	Gasoline Airtight Sampler	-	3	2146.33	6439
79	Naphtha Coalescer	-	1	7441.00	7441
80	Lye Recycling Reactor	-	1	71544.00	71544
81	Filter Of Naphtha	-	2	858.50	1717
82	Fresh Alkali Solution Filter	-	2	1717.00	3434
83	Exhaust Closed Sampler	-	1	2146.00	2146
84	Regeneration Lye Filter	-	2	3577.00	7154
85	Non Air Purification Filter	-	2	4292.50	8585
86	Wet Oxidation Reactor	-	1	93008.00	93008
87	Scrubber Class A	-	1	36219.00	36219
88	Heat Exchanger Class B	-	1	46761.00	46761
89	Waste Alkali Liquid Storage Tank (Atmospheric)	-	3	21784.33	65353

90	Deodorization Waste Lye Tank (Atmospheric)	-	1	21784.00	21784
91	Oil Storage Tank (Atmospheric)	-	1	8666.00	8666
92	Compressed Air Buffer Tank Class B	-	1	5777.00	5777
93	Concentrated Sulfuric Acid Storage Tank (Atmospheric)	-	1	5250.00	5250
94	Neutralizing Tank (Atmospheric)	-	1	15903.00	15903
95	Nitrogen Water Seal Tank Class A	-	1	1580.00	1580
96	Compressed Air Buffer Tank Class A	-	1	3059.00	3059
97	Waste Lye Closed Sampler	-	1	2146.00	2146
98	Noise Silencer	-	1	1145.00	1145
99	Pipe Mixer	-	1	3291.00	3291
100	Exhaust Closed Sampler	-	1	2146.00	2146
101	Purified Compressed Air Tank Class A	-	1	17332.00	17332
102	Blow Torch Tankclass A	-	1	13254.00	13254
103	Air Compressor Unit	-	1	71544.00	71544
104	Rich Liquid Pump	-	2	18315.50	36631
105	Mixed Liquefied Petroleum Gas Feed Pump	-	2	19746.50	39493
106	Lean Solution Pump I	-	2	23609.50	47219
107	Lean Solution Pump Ii	-	2	25756.00	51512
108	Level Of Lye Circulation Pump	-	1	4293.00	4293
109	Washing Water Circulation Pump	-	2	3291.00	6582
110	Underground Solvent Pump	-	1	5724.00	5724
111	Demineralized Water Make-Up Pump	-	1	19746.00	19746
112	Naoh Solution Circulating Pump	-	2	4292.50	8585
113	Level Of Lye Circulation Pump	-	1	6296.00	6296
114	Naoh Solution Circulating Pump	-	2	6296.00	12592
115	Water Circulation Pump	-	2	4865.00	9730
116	Lye Retrofit Pump	-	2	19746.50	39493
117	Naphtha Circulating Pump	-	2	10445.50	20891
118	Lye Pump	-	2	7870.00	15740
119	Underground Sludge Pump	-	1	9301.00	9301
120	Prealkali Washing Circulating Pump	-	2	6439.00	12878
121	Water Circulating Pump	-	2	5437.50	10875
122	Lye Retrofit Pump	-	2	10445.50	20891
123	Naphtha Circulating Pump	-	2	10875.00	21750
124	Anti Adhesive Agent Pump	-	1	8013.00	8013
125	Anti Adhesive Agent Pump	-	2	2862.00	5724
126	Charge Pump	-	2	15024.50	30049
127	Circulating Pump	-	2	5151.00	10302
128	Sludge Pump	-	1	8585.00	8585
129	Neutralizing Pump	-	2	5437.50	10875
130	Concentrated Sulphuric Acid Pump	-	2	2862.00	5724
131	Sewage Water Pump	-	2	5437.50	10875
132	Compressor Repair With Trolley And Hoist	-	1	358.00	358
133	Low-Voltage Drawer Switch Cabinet (Drawer Type Solid0	-	18	10195.06	183511
134	Frequency Conversion Cabinet 132kw	-	1	16999.00	16999
135	Outdoor Explosion-Proof Power Supply Panal	-	5	2146.40	10732
136	Outdoor Explosion-Proof Power Distribution Box	-	4	2683.00	10732

137	Explosion-Proof Operation Column (With Current Meter)	-	16	178.88	2862
138	Explosion-Proof Operation Column	-	44	160.98	7083
139	Explosion-Proof Lighting Distribution Box	-	5	2146.40	10732
140	Grounding Inspection Well	-	4	357.75	1431
141	Wireless Intercom (Group) Explosion-Proof	-	2	894.50	1789
142	Explosion-Proof Type Manual Alarm Button	Set	4	268.25	1073
143	Explosion-Proof Flame Detector	Set	2	268.50	537
144	Explosion Proof Type Electric Cable Junction Box For Terminal 12	-	2	536.50	1073
145	Explosion-Proof Type Amplifying Intercom Station	Set	4	3577.25	14309
146	Explosion-Proof Type Outdoor Speakers	-	4	357.75	1431
147	Explosion-Proof Type Outdoor Speakers	-	1	358.00	358
148	Explosion Proof Type System Electric Cable Junction Box	-	25	536.60	13415
149	Explosion-Proof Integrated Color Camera	Set	2	7154.50	14309
150	Explosion-Proof Type Combined Box	-	2	894.50	1789
151	Bimetallic Thermometer (Flanged Connection Sleeve)	-	34	89.44	3041
152	Leakage Proof Armored"K"-Shaped Thermocouple	-	23	160.96	3702
153	Stainless Steel Pressure Gauge	-	121	39.35	4761
154	Quake-Proof Stainless Steel Pressure Gauge	-	60	64.38	3863
155	Box Stainless Steel Pressure Gauge	-	2	161.00	322
156	Throttling Set Dn50 (20-Sized Steel Flange)	Set	14	410.50	5747
157	Throttling Set Dn80 (20-Sized Steel Flange)	Set	7	547.29	3831
158	Throttling Set Dn100 (20-Sized Steel Flange)	Set	1	684.00	684
159	Throttling Set Dn150 (20-Sized Steel Flange)	Set	4	821.00	3284
160	Throttling Set Dn200 (20-Sized Steel Flange)	Set	3	1094.67	3284
161	Throttling Set Dn250 (20-Sized Steel Flange)	Set	5	1231.40	6157
162	Throttling Set Dn300 (20-Sized Steel Flange)	Set	1	1368.00	1368
163	Throttling Set Dn40(20-Sized Steel Flange)	Set	1	426.00	426
164	Throttling Set Dn80(20-Sized Steel Flange)	Set	1	547.00	547
165	Throttling Set Dn40(20-Sized Steel Flange)	Set	1	456.00	456
166	Throttling Set Dn50(20-Sized Steel Flange)	Set	1	532.00	532
167	Throttling Set Dn50(15crmog)	Set	1	760.00	760

168	Internal Hidden Hole Plateansi300lb 1″ Rf	-	3	5151.33	15454
169	Internal Hidden Hole Plateansi300lb 1-1/2″ Rf	-	1	6010.00	6010
170	Intelligent Vortex Shedding Flowmeteransi300lb 2″ Rf	-	5	4893.60	24468
171	Intelligent Vortex Shedding Flowmeteransi300lb 3″ Rf	-	1	5795.00	5795
172	Intelligent Vortex Shedding Flowmeteransi300lb 4″ Rf	-	1	7298.00	7298
173	Intelligent Vortex Shedding Flowmeteransi600lb 2″ Rf	-	1	7154.00	7154
174	Electromagnetic Flowmeteransi 300lb 2″ Rf	-	2	6439.00	12878
175	Electromagnetic Flowmeteransi 300lb 4″ Rf	-	2	8585.50	17171
176	Electromagnetic Flowmeteransi 300lb 6″ Rf	-	1	9730.00	9730
177	Mass Flowmeteransi 300lb 1″ Rf	-	1	4958.00	4958
178	Mass Flowmeteransi 300lb 1-1/2″ Rf	-	1	6198.00	6198
179	Mass Flowmeteransi 300lb 3″ Rf	-	4	10216.50	40866
180	Mass Flowmeteransi 300lb 4″ Rf	-	1	14367.00	14367
181	Mass Flowmeteransi 300lb 6″ Rf	-	1	21072.00	21072
182	Glass Plate Liquid Level Gaugel≤ 800mm	-	15	286.20	4293
183	Glass Plate Liquid Level Gaugel＝ 1100mm	-	7	357.71	2504
184	Glass Plate Liquid Level Gaugel＝ 1400mm	-	10	429.30	4293
185	Glass Plate Liquid Level Gaugel＝ 1700mm	-	4	500.75	2003
186	Glass Plate Liquid Level Gaugel≤ 800mm	-	19	429.26	8156
187	Glass Plate Liquid Level Gaugel＝ 1100mm	-	7	643.86	4507
188	Glass Plate Liquid Level Gaugel＝ 1400mm	-	9	500.78	4507
189	Glass Plate Liquid Level Gaugel＝ 1700mm	-	6	787.00	4722
190	Magnetic Liquid Level Meterl＝1700mm	-	7	1087.43	7612
191	Magnetic Liquid Level Meterl＝2200mm	-	1	1231.00	1231
192	Magnetic Liquid Level Meterl＝2400mm	-	1	1288.00	1288
193	Magnetic Liquid Level Meterl＝2500mm	-	2	1316.50	2633
194	Magnetic Liquid Level Meterl＝2700mm	-	1	1374.00	1374
195	Magnetic Liquid Level Meterl＝5200mm	-	1	2089.00	2089
196	Electric Outer Buoy Level Meter Measuring Range:L＝800mm	-	4	3291.00	13164
197	Electric Outer Buoy Level Meter Measuring Range:L＝1100mm	-	3	3434.00	10302
198	Electric Outer Buoy Level Meter Measuring Range:L＝1400mm	-	5	3577.20	17886
199	Electric Outer Buoy Level Meter Measuring Range:L＝500mm	-	10	3720.30	37203

200	Electric Outer Buoy Level Meter Measuring Range:L＝800mm	-	2	3863.50	7727
201	Electric Outer Buoy Level Meter Measuring Range:L＝1000mm	-	1	4006.00	4006
202	Electric Outer Buoy Level Meter Measuring Range:L＝1100mm	-	2	4149.50	8299
203	Electric Outer Buoy Level Metermeasuring Range:L＝1400mm	-	4	4292.75	17171
204	Electric Inner Float Level Gauge Side Type；Carbon Steel	-	1	3577.00	3577
205	Electric Inner Float Level Gauge Side Type；316ss	-	1	3577.00	3577
206	Intelligent Pressure Transmitter	-	49	983.73	48203
207	Intelligent Micro Differential Pressure Transmitter	-	2	1288.00	2576
208	Intelligent Dual Flange Differential Pressure Transmitter	-	23	2146.35	49366
209	Intelligent Pressure Transmitter	-	49	1162.59	56967
210	Single Flange Differential Pressure Liquid Level Transmitter	-	8	1788.63	14309
211	Double Flange Differential Pressure Liquid Level Transmitter	-	19	2146.32	40780
212	Explosion Proof For Local Digital Indicator	-	12	214.67	2576
213	Safety Barrier	-	355	107.32	38097
214	Surge Protective Device	-	505	89.43	45162
215	Field Operation Column	-	2	129.00	258
216	Electric / Gas Valve Locator	-	75	1073.16	80487
217	Electromagnetically Operated Valve	-	14	1073.14	15024
218	Ph Analyzer	Set	1	11268.00	11268
219	Combustible Gas Detection Transmitter	-	22	1073.18	23610
220	Toxic Gas Detection Transmitter	-	29	1073.17	31122
221	Portable Combustible Gas Detection Transmitter	-	1	1610.00	1610
222	Portable Toxic Gas Detection Transmitter	-	1	1610.00	1610
223	Regulating Valve Ansi300lb 3/4″(Wcb)	-	2	501.00	1002
224	Regulating Valve Ansi300lb 1″(Wcb)	-	10	626.00	6260
225	Regulating Valve Ansi300lb 1-1/2″(Wcb)	-	14	751.21	10517
226	Regulating Valve Ansi300lb 2″(Wcb)	-	10	876.40	8764
227	Regulating Valve Ansi300lb 3″(Wcb)	-	3	2003.33	6010
228	Regulating Valve Ansi300lb 4″(Wcb)	-	5	3130.00	15650
229	Regulating Valve Ansi300lb 6″(Wcb)	-	5	6260.20	31301
230	Regulating Valve Ansi300lb 8″(Wcb)	-	3	7512.00	22536
231	Regulating Valve Ansi600lb 1″(Wcb)	-	2	751.00	1502
232	Regulating Valve Ansi600lb 1-1/2″(Wcb)	-	1	876.00	876
233	Regulating Valve Ansi600lb 1-1/2″(15crmo)	-	1	1127.00	1127
234	Regulating Valve Ansi600lb 2″(022cr19ni10)	-	1	1753.00	1753

235	Sleeve Regulating Valve Ansi300lb 1″(Wcb)	-	5	626.00	3130
236	Sleeve Regulating Valve Ansi300lb 1-1/2″(Wcb)	-	1	751.00	751
237	Sleeve Regulating Valve Ansi300lb 2″(Wcb)	-	4	876.50	3506
238	Sleeve Regulating Valve Ansi300lb 4″(Wcb)	-	2	3944.00	7888
239	Sleeve Regulating Valve Ansi300lb 8″(Wcb)	-	1	5634.00	5634
240	Cylinder Valve Ansi300lb 1″(Wcb)	-	1	3756.00	3756
241	Cylinder Valve Ansi300lb 1-1/2″(Wcb)	-	2	3944.00	7888
242	Cylinder Valve Ansi300lb 2″(Wcb)	-	2	4507.50	9015
243	Cylinder Valve Ansi300lb 3″(Wcb)	-	1	5071.00	5071
244	Electric Valve (On/Off Gate Valve, Ball Valve)Ansi300lb 8″(Wcb)	-	1	13772.00	13772
245	Electric Valve (On/Off Gate Valve, Ball Valve)Ansi300lb 10″(Wcb)	-	1	14524.00	14524
246	Power Supply Cabinet	-	1	3577.00	3577
247	Safety Barrier Cabinet	-	2	3577.00	7154
248	Surge Protective Device Cabinet	-	3	3577.33	10732
249	Terminal Bar Cabinet	-	1	3577.00	3577
250	Redundant Dc Power Supply (30a)	-	3	14309.00	42927
251	Instrument Heat Insulation Box Of Stainless Steel	-	10	357.70	3577
252	Explosion-Proof Junction Box	-	50	536.58	26829
253	Air Compressor Set Instrument	Set	1	14309.00	14309
254	Security Inspection System	Set	1	16097.00	16097
255	Portable Mf8 Type Dry Powder Fire Extinguisher	-	188	35.77	6725
256	Small Fire Extinguisher Box (3 Installed)	-	47	32.19	1513
257	Cart Type Mft35 Type Dry Powder Fire Extinguisher	-	7	268.29	1878
258	Air Breathing Apparatus, Gas Masks, Overalls	Batch	1	30102.00	30102
	Total				5284657
12.Storage and Transport					
1	Static Mixer Dn350 Pn2.0 Rf Wn	Set	1	13193.00	13193
2	Static Mixer Dn350 Pn2.1 Rf Wn	Set	1	17151.00	17151
3	Static Mixer Dn350 Pn2.2 Rf Wn	Set	1	414252.00	414252
4	Static Mixer Dn350 Pn2.3 Rf Wn	Set	1	131927.00	131927
5	Torch Head Installation-Dn400 Mm	Set	1	116096.00	116096
6	Surface Ignition	Set	3	13192.67	39578
7	High Altitude Ignition	Set	9	15831.33	142482
8	Liquid Separation Tank (1)	-	1	110819.00	110819
9	Liquid Separation Tank (2)	-	1	206598.00	206598
10	Liquid Separation Tank (1)	-	1	126650.00	126650
11	Liquid Separation Tank (2)	-	1	234145.00	234145
12	High Pressure Fuel Gas Liquid Separation Tank	-	1	6333.00	6333
13	Acidic Gas Water Seal Tank	-	1	24792.00	24792
14	Acid Tank	-	1	12665.00	12665

15	Liquefied Petroleum Gas Vaporizer	-	2	131927.50	263855
16	Slop Tank Type Type I	-	1	6333.00	6333
17	Hot-Water Cylinder	-	1	7361.00	7361
18	Boiling Box	-	1	2243.00	2243
19	Catalytic Cracking Raw Material Pump	-	2	16992.50	33985
20	Catalytic Cracking Raw Material Pump	-	2	7572.50	15145
21	Manual Crane (2 Tons) (Ex)	-	1	21108.00	21108
22	Hydrodesulphurized Diesel Pump	-	2	18470.00	36940
23	Hydrodesulphurized Diesel Pump	-	2	7129.50	14259
24	Pre Hydrogenation Material Conveying Pump	-	2	8496.00	16992
25	Refined Oil Transport Pump	-	1	7129.00	7129
26	Heavy Catalytic Gasoline Hydrogenation Material Conveying Pump	-	2	7129.50	14259
27	Light Oil Pump	-	1	6333.00	6333
28	Light Oil Transfer Pump	-	1	46175.00	46175
29	Manual Crane (2 Tons) (Ex)	-	1	21108.00	21108
30	Polypropylene Material Pump	-	2	54672.00	109344
31	Failure Of Propylene Pump	-	1	54672.00	54672
32	Manual Crane (2 Tons) (Ex)	-	1	10554.00	10554
33	Lpg Vaporization Pumps	-	1	33741.00	33741
34	Lpg Loading Pump	-	2	99645.50	199291
35	Lpg Mounted Pump	-	2	55322.00	110644
36	Manual Crane (2 Tons) (Ex)	-	1	10554.00	10554
37	Gasoline Tank, Oil Transfer Pump	-	2	70571.50	141143
38	Gasoline Blending Pump Standby Pump	-	1	35312.00	35312
39	Gasoline Blending Pump	-	2	34847.50	69695
40	Gasoline Blending Pump	-	1	35312.00	35312
41	Gasoline Blending Pump	-	1	110466.00	110466
42	Gasoline Blending Pump	-	1	32342.00	32342
43	Gasoline Blending Pump	-	1	105473.00	105473
44	Liquefied Petroleum Gas Train Loading Crane Pipe	Set	8	2721.00	21768
45	Light Down Ramp	Set	25	211.08	5277
46	Naphtha Vehicle Loading Crane Pipe	Set	2	3694.00	7388
47	Light Down Ramp	Set	4	870.75	3483
48	Back-Fire Relief Valve	-	1	5277.00	5277
49	Electronic Car Weigher	Set	1	105542.00	105542
50	Lye Unloading Pump	-	2	7388.00	14776
51	Solution Transfer Pump	-	2	9499.00	18998
52	Condensate Pump	-	2	6596.50	13193
53	Oil-Water Lifting Pump	-	2	5277.00	10554
54	The Torch Tube Loading And Unloading System Of Lifting Device And The Pulley	Set	2	356204.00	712408
55	Low Pressure Fuel Gas Compressor	-	3	522432.67	1567298
56	Manual Single Beam Crane 5t	-	1	13193.00	13193
57	Lubricating Oil Filter Of Car	-	1	13193.00	13193
58	Heavy Dirty Oil Transfer Pump	-	2	10158.50	20317
59	Light Oil Transfer Pump	-	2	46174.50	92349
60	Light Pollution And Pour The Oil Tank Pump	-	1	4617.00	4617
61	Monorail Trolley	-	1	5277.00	5277
62	Naphtha	-	2	8681.00	17362

63	Blending Naphtha	-	2	7203.00	14406
64	Light Oil Transfer Pump	-	1	14037.00	14037
65	Monorail Trolley Sdx-3	-	1	5277.00	5277
66	Waste Pump	-	1	6464.00	6464
67	Hot Water Pump	-	1	17177.00	17177
68	Mobile Waste Water Stripping Pump	-	1	6464.00	6464
69	Oil-Water Lifting Pump	-	2	11082.00	22164
70	Tank Car Traction Equipment	-	1	158313.00	158313
71	Lpec- Oil Tank Car Cleaning Machine	Set	1	237470.00	237470
72	Lpec- Tank Truck Blower	Set	1	211084.00	211084
73	Injector	-	2	18470.00	36940
74	Residual Oil Unloading Crane Pipe	Set	1	10026.00	10026
75	Back-Fire Relief Valve Sh3406 Pn2.0 Rf	-	1	5277.00	5277
76	Settling Agent Added Facilities	-	1	55410.00	55410
77	Light Slop Tank	-	1	4908.00	4908
78	Oil Tank Automatic Dehydrator	-	11	10554.18	116096
79	Tank Bottom Sampler	-	11	3166.27	34829
80	Tank Bottom Sampler	-	10	3166.30	31663
81	Oil Tank Automatic Dehydrator	-	10	10554.20	105542
82	Propylene Spherical Tank	-	3	1088401.67	3265205
83	Acrylic Tank 1000m3 Spherical Tanks	-	1	573884.00	573884
84	Liquefied Petroleum Gas Dewatering Tank	-	4	2005.25	8021
85	Closed Sampler	-	4	3166.25	12665
86	Liquefied Petroleum Gas Spherical Tank 3000m3	-	10	1315872.50	13158725
87	Liquefied Petroleum Gas Dewatering Tank	-	16	3007.94	48127
88	Closed Sampler	-	16	3166.25	50660
89	Tank Bottom Sampler	-	4	3166.25	12665
90	Closed Sampler	-	1	3166.00	3166
91	Water Seal Tank Ii	-	1	36412.00	36412
92	Condensed Oil Tank Ii	-	1	12665.00	12665
93	High Pressure Fuel Gas Buffer Tank Ii	-	1	18998.00	18998
94	Tank Dehydrator	-	5	10554.20	52771
95	Tank Sampler	-	5	3166.20	15831
96	Light Slop Tank	-	1	6333.00	6333
97	Naphtha Dehydration Device	-	3	10554.33	31663
98	Naphtha Sampler	-	3	3166.33	9499
99	Back-Fire Relief Valve Dn50	-	2	3166.50	6333
100	Low-Voltage Drawer Switch Cabinet	-	4	15039.75	60159
101	Outdoor Explosion-Proof Power Supply Panal	-	2	3166.50	6333
102	Outdoor Explosion-Proof Power Distribution Box	-	2	3958.00	7916
103	Outdoor Explosion-Proof Wiring Box Transition	-	10	791.60	7916
104	Explosion-Proof Operation Column (With Current Meter)	-	4	263.75	1055
105	Explosion-Proof Operation Column	-	6	237.50	1425
106	Explosion-Proof Lighting Distribution Box	-	3	3957.67	11873
107	Low-Voltage Drawer Switch Cabinet	-	4	15039.75	60159

108	Outdoor Explosion-Proof Power Supply Panal	-	3	3166.33	9499
109	Outdoor Explosion-Proof Power Distribution Box	-	3	3957.67	11873
110	Outdoor Explosion-Proof Wiring Box Transition	-	11	791.55	8707
111	Explosion-Proof Operation Column (With Current Meter)	-	4	263.75	1055
112	Explosion-Proof Operation Column	-	9	237.44	2137
113	Explosion-Proof Lighting Distribution Box	-	3	3957.67	11873
114	Low-Voltage Drawer Switch Cabinet	-	1	15040.00	15040
115	Outdoor Explosion-Proof Power Supply Panal	-	2	3166.50	6333
116	Outdoor Explosion-Proof Power Distribution Box	-	2	3958.00	7916
117	Explosion-Proof Lighting Distribution Box	-	2	3958.00	7916
118	Low Voltage Switch Cabinet	-	4	15039.75	60159
119	Outdoor Explosion-Proof Power Supply Panal	-	1	3166.00	3166
120	Outdoor Explosion-Proof Power Distribution Box	-	2	3958.00	7916
121	Outdoor Explosion-Proof Wiring Box Transition	-	8	791.63	6333
122	Explosion-Proof Operation Column (With Current Meter)	-	4	263.75	1055
123	Explosion-Proof Operation Column	-	3	237.33	712
124	Explosion-Proof Lighting Distribution Box	-	2	3166.50	6333
125	Low Voltage Switch Cabinet	-	4	15039.75	60159
126	Outdoor Explosion-Proof Power Supply Panal	-	2	3166.50	6333
127	Outdoor Explosion-Proof Power Distribution Box	-	2	3958.00	7916
128	Outdoor Explosion-Proof Wiring Box Transition	-	4	791.50	3166
129	Explosion-Proof Operation Column (With Current Meter)	-	3	264.00	792
130	Explosion-Proof Operation Column	-	6	237.50	1425
131	Explosion-Proof Lighting Distribution Box	-	4	3166.25	12665
132	Low Voltage Switch Cabinet	-	5	15039.80	75199
133	Outdoor Explosion-Proof Power Supply Panal	-	1	3166.00	3166
134	Outdoor Explosion-Proof Power Distribution Box	-	1	3958.00	3958
135	Explosion-Proof Operation Column (With Current Meter)	-	9	263.89	2375
136	Explosion-Proof Operation Column	-	3	237.33	712
137	Explosion-Proof Lighting Distribution Box	-	3	3166.33	9499
138	Low Voltage Switch Cabinet	-	1	15040.00	15040

139	Outdoor Explosion-Proof Power Distribution Box	-	2	3958.00	7916
140	Explosion-Proof Operation Column	-	7	237.43	1662
141	Explosion-Proof Lighting Distribution Box Lighting	-	3	3166.33	9499
142	Low Voltage Switch Cabinet	-	2	15039.50	30079
143	Ups 25kva, Standby Time 30min	Set	2	60686.50	121373
144	Ups 5kva, Standby Time 30min	Set	1	13193.00	13193
145	Power Box	-	1	3166.00	3166
146	Power Box	-	3	791.67	2375
147	Explosion-Proof Operation Column	-	6	237.50	1425
148	Circuit Breaker Box	-	8	2638.50	21108
149	Lighting Power Distribution Panel	-	2	527.50	1055
150	Explosion-Proof Lighting Distribution Box	-	2	3958.00	7916
151	Low Voltage Switch Cabinet	-	3	15039.67	45119
152	Outdoor Power Box	-	1	3166.00	3166
153	Power Box	-	1	3958.00	3958
154	Outdoor Waterproof And Dustproof Transition Junction Box	-	4	791.50	3166
155	Waterproof And Dustproof Operation Column	-	4	237.50	950
156	Waterproof And Dustproof Lighting Distribution Box	-	2	3958.00	7916
157	Low Voltage Switch Cabinet	-	4	15039.75	60159
158	Uninterruptible Power Supply Apparatus 30kva,30min,	Set	1	73879.00	73879
159	Uninterruptible Power Supply Apparatus 5kva,30min	Set	1	10554.00	10554
160	Isolation Transformer Cabinet 220v,5kva,	-	1	13193.00	13193
161	Outdoor Explosion-Proof Power Supply Panal	-	1	3166.00	3166
162	Outdoor Explosion-Proof Power Distribution Box	-	1	3958.00	3958
163	8 Loop Power Box	-	1	792.00	792
164	Outdoor Explosion-Proof Wiring Box Transition	-	8	791.63	6333
165	Explosion-Proof Operation Column	-	10	237.50	2375
166	Explosion-Proof Lighting Distribution Box Diict4	-	1	3166.00	3166
167	Lighting Power Distribution Panel	-	1	528.00	528
168	Explosion-Proof Junction Box	-	3	791.67	2375
169	High Voltage Switch Cabinet	-	3	29024.00	87072
170	Low Voltage Switch Cabinet	-	3	15039.67	45119
171	Outdoor Explosion-Proof Power Supply Panal	-	1	3166.00	3166
172	Outdoor Explosion-Proof Power Distribution Box	-	1	3958.00	3958
173	Explosion-Proof Operation Column (With Current Meter)	-	3	264.00	792
174	Explosion-Proof Operation Column	-	17	237.47	4037
175	Explosion-Proof Lighting Distribution Box	-	2	3958.00	7916

176	Low Voltage Switch Cabinet	-	2	15039.50	30079
177	Outdoor Explosion-Proof Power Supply Panal	-	2	3166.50	6333
178	Outdoor Explosion-Proof Power Distribution Box	-	2	3958.00	7916
179	Explosion-Proof Operation Column (With Current Meter)	-	2	264.00	528
180	Explosion-Proof Operation Column	-	3	237.33	712
181	Explosion-Proof Lighting Distribution Box	-	2	3166.50	6333
182	Low Voltage Switch Cabinet	-	3	15039.67	45119
183	Outdoor Explosion-Proof Power Supply Panal	-	2	3166.50	6333
184	Outdoor Explosion-Proof Power Distribution Box	-	2	3958.00	7916
185	Explosion-Proof Operation Column (With Current Meter)	-	1	264.00	264
186	Explosion-Proof Operation Column	-	8	237.50	1900
187	Explosion-Proof Lighting Distribution Box	-	3	3166.33	9499
188	Low Voltage Switch Cabinet	-	5	15039.80	75199
189	Power Distribution Box	-	3	791.67	2375
190	Explosion-Proof Power Distribution Box	-	1	3958.00	3958
191	Explosion-Proof Manteneince Box	-	1	3166.00	3166
192	Explosion-Proof Magnetic Starter	-	2	264.00	528
193	Explosion-Proof Operation Column	-	5	237.40	1187
194	Air Switch Box	-	2	1583.00	3166
195	Air Switch	-	6	1055.50	6333
196	Explosion-Proof Lighting Distribution Box	-	2	3166.50	6333
197	Lighting Power Distribution Panel	-	2	527.50	1055
198	Wireless Intercom (Cluster Type / Explosion-Proof Type)	-	2	1319.50	2639
199	Explosion-Proof Type Manual Alarm Button	Set	1	264.00	264
200	Manual Alarm Button	Set	1	132.00	132
201	Electric Cable Explosion-Proof Junction Box (12 For Terminal)	-	1	792.00	792
202	Explosion-Proof Type Amplifying Intercom Station	Set	1	3958.00	3958
203	Explosion-Proof Type Outdoor Speakers	-	1	528.00	528
204	Explosion Proof Type System Electric Cable Junction Box	-	2	791.50	1583
205	Amplifying Intercom Station	Set	2	3166.50	6333
206	Outdoor Speakers	-	2	396.00	792
207	System Electric Cable Junction Box	-	2	527.50	1055
208	Explosion-Proof Integrated Color Camera	Set	2	10554.00	21108
209	Explosion-Proof Type Combined Box (With Optical Transceiver)	-	2	1319.50	2639
210	Wireless Intercom (Cluster Type / Explosion-Proof Type)	-	2	1319.50	2639

211	Explosion-Proof Type Manual Alarm Button	Set	2	264.00	528
212	Manual Alarm Button	Set	10	131.90	1319
213	Electric Cable Explosion-Proof Junction Box (12 For Terminal)	-	1	792.00	792
214	Junction Box (12 For Terminal)	Set	1	792.00	792
215	Explosion-Proof Type Amplifying Intercom Station	Set	1	3958.00	3958
216	Explosion-Proof Type Outdoor Speakers	-	1	396.00	396
217	Explosion Proof Type System Electric Cable Junction Box	-	2	527.50	1055
218	Amplifying Intercom Station	Set	2	3166.50	6333
219	Outdoor Speakers	-	2	396.00	792
220	System Electric Cable Junction Box	-	2	527.50	1055
221	Explosion-Proof Integrated Color Camera	Set	2	10554.00	21108
222	Explosion-Proof Type Combined Box (With Optical Transceiver)	-	2	1319.50	2639
223	Wireless Intercom (Cluster Type / Explosion-Proof Type)	-	2	1319.50	2639
224	Manual Alarm Button	Set	10	263.90	2639
225	Junction Box (12 For Terminal)	-	2	791.50	1583
226	Amplifying Intercom Station	Set	3	3166.33	9499
227	Outdoor Speakers	-	3	395.67	1187
228	System Electric Cable Junction Box	-	4	527.75	2111
229	Explosion-Proof Integrated Color Camera	Set	2	10554.00	21108
230	Explosion-Proof Type Combined Box (With Optical Transceiver)	-	2	1319.50	2639
231	Wireless Intercom (Cluster Type / Explosion-Proof Type)	-	2	1319.50	2639
232	Explosion-Proof Type Manual Alarm Button	Set	2	396.00	792
233	Manual Alarm Button	Set	2	132.00	264
234	Electric Cable Explosion-Proof Junction Box (12 For Terminal)	-	1	792.00	792
235	Junction Box (12 For Terminal)	Set	1	528.00	528
236	Explosion-Proof Type Amplifying Intercom Station	Set	1	3958.00	3958
237	Explosion-Proof Type Outdoor Speakers	-	1	528.00	528
238	Explosion Proof Type System Electric Cable Junction Box	-	2	791.50	1583
239	Amplifying Intercom Station	Set	2	3166.50	6333
240	Outdoor Speakers	-	2	396.00	792
241	System Electric Cable Junction Box	-	2	527.50	1055
242	Explosion-Proof Integrated Color Camera	Set	1	10554.00	10554
243	Explosion-Proof Type Combined Box (With Optical Transceiver)	-	1	1319.00	1319
244	Integration Of Color Video Camera	Set	1	3958.00	3958
245	Combined Box (Including The Optical Transceiver	-	1	1319.00	1319
246	Wireless Intercom (Group) Explosion-Proof	-	2	1319.50	2639

247	Explosion-Proof Type Manual Alarm Button	Set	2	264.00	528
248	Manual Alarm Button	Set	8	131.88	1055
249	Electric Cable Explosion-Proof Junction Box	-	1	792.00	792
250	Junction Box	Set	1	528.00	528
251	Explosion-Proof Type Amplifying Intercom Station	Set	1	3958.00	3958
252	Explosion-Proof Type Outdoor Speakers	-	1	528.00	528
253	Explosion Proof Type System Electric Cable Junction Box	-	2	791.50	1583
254	Amplifying Intercom Station	Set	2	3166.50	6333
255	Outdoor Speakers	-	2	527.50	1055
256	System Electric Cable Junction Box	-	3	791.67	2375
257	Explosion-Proof Integrated Color Camera	Set	2	10554.00	21108
258	Explosion-Proof Type Combined Box	-	2	1319.50	2639
259	Wireless Intercom (Group)	-	2	1319.50	2639
260	Explosion-Proof Type Manual Alarm Button	Set	6	263.83	1583
261	Electric Cable Explosion-Proof Junction Box (15 For Terminal)	-	1	792.00	792
262	Explosion-Proof Type Amplifying Intercom Station	Set	3	3957.67	11873
263	Explosion-Proof Type Outdoor Speakers	-	3	527.67	1583
264	Explosion Proof Type System Electric Cable Junction Box	-	5	791.60	3958
265	Explosion-Proof Integrated Color Camera	Set	2	10554.00	21108
266	Explosion-Proof Type Combined Box （Optical Transceiver	-	2	1319.50	2639
267	Wireless Intercom (Group) Explosion-Proof	-	2	1319.50	2639
268	Explosion-Proof Type Manual Alarm Button	Set	12	263.83	3166
269	Electric Cable Explosion-Proof Junction Box	-	2	791.50	1583
270	Explosion-Proof Type Amplifying Intercom Station	Set	3	3957.67	11873
271	Explosion-Proof Type Outdoor Speakers	-	3	527.67	1583
272	Explosion Proof Type System Electric Cable Junction Box	-	2	791.50	1583
273	Explosion-Proof Integrated Color Camera	Set	2	10554.00	21108
274	Explosion-Proof Type Combined Box	-	2	1319.50	2639
275	Network Switch 24 Port	Set	1	6596.00	6596
276	Network Equipment Wiring Cabinets	Set	1	7916.00	7916
277	Voice Distribution Frame	Set	1	2639.00	2639
278	Digital Distribution Frame	Set	1	2639.00	2639
279	Optical Fiber Distribution Frame And Optical Transceiver	Set	1	264.00	264
280	Double Audio Frequency Telephone Set	-	6	52.83	317
281	Telephone Junction Box 20 Pairs	Set	1	528.00	528
282	Wireless Intercom (Group)	-	2	1319.50	2639

283	Loadspeaking Intercom Control Cabinet	Set	1	13193.00	13193
284	Desktop Loadspeaking Intercom Station	Set	1	3166.00	3166
285	Explosion-Proof Type Amplifying Intercom Station	Set	2	3958.00	7916
286	Explosion-Proof Type Outdoor Speakers	-	2	527.50	1055
287	Explosion Proof Type System Electric Cable Junction Box	-	4	791.50	3166
288	Amplifying Intercom Station	Set	1	3166.00	3166
289	Outdoor Speakers	-	1	396.00	396
290	System Electric Cable Junction Box	-	2	527.50	1055
291	Fire Alarm Controller	Set	1	21108.00	21108
292	Fire Alarm Module Junction Box	Set	1	528.00	528
293	Fire Alarm Module Junction Box		1	53.00	53
294	Photoelectric Type Smoke Detector	Set	10	131.90	1319
295	Manual Alarm Button	Set	2	132.00	264
296	Manual Alarm Button (Outdoor)	Set	9	131.89	1187
297	Explosion-Proof Type Manual Alarm Button(Outdoor Type)	Set	3	264.00	792
298	Audible And Visual Alarm	Set	2	132.00	264
299	Module	Set	25	1055.40	26385
300	Module	Set	1	1055.00	1055
301	Electric Cable Junction Box For Terminal 8	-	2	527.50	1055
302	Tv Monitoring Control Cabinet	Set	1	21108.00	21108
303	Video Management Terminal	Set	1	5277.00	5277
304	Spherical Camera	Set	2	3958.00	7916
305	Power Control Box	Set	2	791.50	1583
306	Explosion-Proof Integrated Color Camera	Set	1	10554.00	10554
307	Explosion-Proof Type Combined Box	-	1	1319.00	1319
308	Integration Of Color Video Camera	Set	1	3958.00	3958
309	Combined Box	-	1	1319.00	1319
310	Wireless Intercom (Cluster Type, Explosion-Proof Type)	-	2	1319.50	2639
311	Manual Alarm Button	Set	6	3957.83	23747
312	Electric Cable Junction Box (10 For Terminal)	-	1	528.00	528
313	Amplifying Intercom Station	Set	3	3957.67	11873
314	Outdoor Speakers	-	3	395.67	1187
315	System Electric Cable Junction Box	-	5	527.80	2639
316	System Electric Cable Junction Box	Set	2	10554.00	21108
317	Combined Box (Including The Optical Transceiver	-	2	1319.50	2639
318	Push Button Telephone (Audio)	-	1	53.00	53
319	Wireless Intercom (Cluster Type / Explosion-Proof Type)	-	2	1319.50	2639
320	Explosion-Proof Type Manual Alarm Button	Set	8	263.88	2111
321	Electric Cable Explosion-Proof Junction Box (6 For Terminal)	-	2	791.50	1583
322	Explosion-Proof Type Amplifying Intercom Station	Set	2	3958.00	7916
323	Explosion-Proof Type Outdoor Speakers	-	2	527.50	1055

324	Explosion Proof Type System Electric Cable Junction Box	–	4	791.50	3166
325	Explosion-Proof Integrated Color Camera	Set	2	10554.00	21108
326	Explosion-Proof Type Combined Box(Optical Transceiver	–	2	1319.50	2639
327	Wireless Intercom (Cluster Type / Explosion-Proof Type)	–	2	1319.50	2639
328	Explosion-Proof Type Manual Alarm Button	Set	3	264.00	792
329	Manual Alarm Button	Set	5	132.00	660
330	Electric Cable Explosion-Proof Junction Box (8 For Terminal)	–	2	791.50	1583
331	Explosion-Proof Type Amplifying Intercom Station	Set	1	3958.00	3958
332	Explosion-Proof Type Outdoor Speakers	–	1	528.00	528
333	Explosion Proof Type System Electric Cable Junction Box	–	2	791.50	1583
334	Explosion-Proof Integrated Color Camera	Set	2	10554.00	21108
335	Explosion-Proof Type Combined Box (With Optical Transceiver	–	2	1319.50	2639
336	Wireless Intercom (Cluster Type / Explosion-Proof Type)	–	2	1319.50	2639
337	Explosion-Proof Type Manual Alarm Button	Set	2	264.00	528
338	Manual Alarm Button	Set	6	132.00	792
339	Electric Cable Explosion-Proof Junction Box (12 For Terminal)	–	1	792.00	792
340	Junction Box (12 For Terminal)	Set	1	528.00	528
341	Explosion-Proof Type Amplifying Intercom Station	Set	1	3958.00	3958
342	Explosion-Proof Type Outdoor Speakers	–	1	528.00	528
343	Explosion Proof Type System Electric Cable Junction Box	–	2	791.50	1583
344	Amplifying Intercom Station	Set	2	3166.50	6333
345	Outdoor Speakers	–	2	396.00	792
346	System Electric Cable Junction Box	–	2	527.50	1055
347	Explosion-Proof Integrated Color Camera	Set	2	10554.00	21108
348	Explosion-Proof Type Combined Box (With Optical Transceiver)	–	2	1319.50	2639
349	Wireless Intercom (Cluster Type / Explosion-Proof Type)	–	2	1319.50	2639
350	Explosion-Proof Type Manual Alarm Button	Set	2	264.00	528
351	Manual Alarm Button	Set	6	132.00	792
352	Electric Cable Explosion-Proof Junction Box (12 For Terminal)	–	1	792.00	792
353	Explosion-Proof Type Amplifying Intercom Station	Set	1	3958.00	3958
354	Explosion-Proof Type Outdoor Speakers	–	1	528.00	528
355	Explosion Proof Type System Electric Cable Junction Box	–	2	791.50	1583

356	Amplifying Intercom Station	Set	2	3166.50	6333
357	Outdoor Speakers	-	2	396.00	792
358	System Electric Cable Junction Box	-	2	527.50	1055
359	Explosion-Proof Integrated Color Camera	Set	2	10554.00	21108
360	Explosion-Proof Type Combined Box （With Optical Transceiver）	-	2	1319.50	2639
361	Wireless Intercom (Cluster Type, Explosion-Proof Type)	-	2	1319.50	2639
362	Explosion-Proof Type Manual Alarm Button	Set	3	264.00	792
363	Electric Cable Explosion-Proof Junction Box (6 For Terminal)	-	1	792.00	792
364	Explosion-Proof Type Amplifying Intercom Station	Set	3	3957.67	11873
365	Explosion-Proof Type Outdoor Speakers	-	3	527.67	1583
366	Explosion Proof Type System Electric Cable Junction Box	-	5	791.60	3958
367	Explosion-Proof Integrated Color Camera	Set	2	10554.00	21108
368	Explosion-Proof Type Combined Box （With Optical Transceiver）	-	2	1319.50	2639
369	Fitting Flange：150lb 1-1/2″Rf	-	13	131.92	1715
370	Fitting Flange：300lb 1-1/2″Rf	-	1	132.00	132
371	Integrated Temperature Transmitter Connecting Flange：150lb 11/2″Rf	-	15	1319.27	19789
372	Integrated Temperature Transmitter Connecting Flange：300lb 11/2″Rf	-	1	1319.00	1319
373	Stainless Steel Pressure Gauge	-	64	58.05	3715
374	Stainless Steel Diaphragm Pressure Gauge	-	1	475.00	475
375	Stainless Steel Resistant To Vibration Diaphragm Pressure Gauge	-	30	498.70	14961
376	Vortex Shedding Flowmeteransi 300lb 3″ Rf	-	1	10686.00	10686
377	Vortex Shedding Flowmeteransi 150lb 1-1/2″ Rf	-	1	7850.00	7850
378	Target Flowmeter	-	1	1108.00	1108
379	Radar Liquid Level Meter	-	5	7124.00	35620
380	Ultrasonic Level Switch	-	10	3562.00	35620
381	Intelligent Single Flange Pressure Transmitter	-	12	2638.58	31663
382	Intelligent Pressure Transmitter	-	2	1451.00	2902
383	Combustible Gas Transmitter	-	21	1583.14	33246
384	Portable Combustible Gas Alarm	-	1	2375.00	2375
385	Pneumatic Filmregulating Valveansi 300lb 1-1/2″ Rf (Carbon Steel)	-	1	1266.00	1266
386	Pneumatic Filmregulating Valveansi 300lb 2″ Rf (Carbon Steel)	-	5	1477.60	7388
387	Cylinder Valve Single Control Ansi 150lb 8″ Rf	-	9	14221.78	127996
388	Cylinder Valve Single Control Ansi 150lb 6″ Rf	-	3	10343.00	31029

389	Cylinder Valve Dual Controlansi 150lb 2″ Rf	-	2	7203.00	14406
390	Cylinder Valve Dual Controlansi 150lb 3″ Rf	-	4	7942.00	31768
391	Cylinder Valve Dual Controlansi 150lb 4″ Rf	-	2	8311.50	16623
392	Cylinder Valve Dual Controlansi 150lb 8″ Rf	-	2	14222.00	28444
393	Cylinder Valve Dual Controlansi 150lb 10″ Rf	-	3	14776.00	44328
394	Electric Three Eccentric Butterfly Valve (With Imported Electric Actuator) 8 ″Ansi 150lb Rf	-	5	17678.20	88391
395	4-20ma Input Surge Protective Device	-	110	131.93	14512
396	Ao Output Surge Protective Device	-	7	131.86	923
397	Relay Protection Device	-	159	131.92	20976
398	24v Dcsurge Protective Device	-	39	131.92	5145
399	220v Acsurge Protective Device	-	6	132.00	792
400	Solenoid Valve (Type) Exdiibt4	-	25	1583.12	39578
401	Intelligent Electric / Gas Valve Locator	-	7	1583.14	11082
402	Bimetallic Thermometer Fitting Flange: 150lb 1-1/2″Rf	-	13	131.92	1715
403	Bimetallic Thermometer Fitting Flange: 300lb 1-1/2″Rf	-	1	132.00	132
404	Integrated Temperature Transmitter Connecting Flange: 150lb 11/2″Rf	-	25	1319.28	32982
405	Integrated Temperature Transmitter Connecting Flange: 300lb 11/2″Rf	-	1	1319.00	1319
406	Stainless Steel Pressure Gauge	-	126	58.05	7314
407	Stainless Steel Vibration-Proof Pressure Gauge	-	28	95.00	2660
408	Vortex Shedding Flowmeteransi 300lb 1-1/2″ Rf	-	1	7850.00	7850
409	Vortex Shedding Flowmeteransi 150lb 2″ Rf	-	1	8523.00	8523
410	Vortex Shedding Flowmeteransi 150lb 1-1/2″ Rf	-	1	7850.00	7850
411	Radar Liquid Level Meter	-	11	7124.09	78365
412	Magnetostrictive Liquid Level Meter	-	1	12929.00	12929
413	Ultrasonic Level Switch	-	22	3562.05	78365
414	Intelligent Pressure Transmitter	-	16	1451.19	23219
415	Combustible Gas Transmitter	-	28	1583.14	44328
416	Portable Combustible Gas Alarm	-	1	2375.00	2375
417	Cylinder Valve Single Control Ansi 150lb 4″ Rf	-	2	8311.50	16623
418	Cylinder Valve Single Control Ansi 150lb 6″ Rf	-	7	10343.14	72402
419	Cylinder Valve Single Control Ansi 150lb 8″ Rf	-	7	14221.71	99552
420	Cylinder Valve Single Control Ansi 150lb 10″ Rf	-	4	14776.00	59104
421	Cylinder Valve Dual Controlansi 150lb 3″ Rf	-	2	7942.00	15884

422	Cylinder Valve Dual Controlansi 150lb 4″ Rf	-	3	8311.33	24934
423	Cylinder Valve Dual Controlansi 150lb 6″ Rf	-	4	10343.00	41372
424	Cylinder Valve Dual Controlansi 150lb 8″ Rf	-	6	14221.83	85331
425	Cylinder Valve Dual Controlansi 150lb 12″ Rf	-	4	18469.75	73879
426	Electric Three Eccentric Butterfly Valveansi 150lb 8″Rf	-	10	17731.10	177311
427	Electric Three Eccentric Butterfly Valveansi 150lb 4″Rf	-	1	14776.00	14776
428	4-20ma Input Surge Protective Device(2 Lines)	-	100	131.93	13193
429	4-20ma Input Surge Protective Device(4 Lines)	-	30	131.93	3958
430	Relay Protection Device	-	260	131.93	34301
431	24v Dcsurge Protective Device	-	30	131.93	3958
432	220v Acsurge Protective Device	-	15	131.93	1979
433	Flameproof Electromagnetic Valve Exdiibt4	-	40	1583.13	63325
434	Bimetallic Thermometer	-	11	131.91	1451
435	Stainless Steel Pressure Gauge	-	74	58.05	4296
436	Vacuum Manometer	-	4	132.00	528
437	Radar Liquid Level Meter	-	10	7124.10	71241
438	Paste Type Intelligent Ultrasonic Level Switch	-	20	3562.05	71241
439	Intelligent Pressure Transmitter	-	1	1451.00	1451
440	Integrated Temperature Transmitter	-	5	1319.20	6596
441	Intelligent Micro Differential Pressure Transmitter	-	4	1715.00	6860
442	Combustible Gas Detector	-	20	1583.15	31663
443	Portable Type Combustible Gas Detector	-	1	2375.00	2375
444	4-20masurge Protective Device (2 Lines System)	-	30	131.93	3958
445	4-20masurge Protective Device (4 Lines System)	-	25	131.92	3298
446	Electric Relay	-	190	131.93	25066
447	24vdc Surge Protective Device	-	25	131.92	3298
448	22vac Surge Protective Device	-	12	131.92	1583
449	Field Instrument	-	63	131.92	8311
450	Electromagnetic Valve，Exdiibt4	-	40	1583.13	63325
451	Cylinder Valve (Cast Steel)Ansi 150lb 12″	-	10	18469.80	184698
452	Cylinder Valve (Cast Steel)Ansi 150lb 10″	-	16	14775.88	236414
453	Cylinder Valve (Cast Steel)Ansi 150lb 6″	-	8	10343.13	82745
454	Cylinder Valve (Cast Steel)Ansi 150lb 14″	-	2	25858.00	51716
455	Cylinder Valve (Cast Steel)Ansi 150lb 4″	-	4	8311.50	33246

456	Electric Three Eccentric Butterfly Valve Ansi 150lb 8″ Rf	-	6	22163.83	132983
457	Electric Three Eccentric Butterfly Valve Ansi 150lb 4″ Rf	-	4	12929.00	51716
458	Explosion-Proof Junction Box	-	2	791.50	1583
459	Power Supply Cabinet	-	1	5277.00	5277
460	Surge Protective Device Cabinet	-	3	5277.00	15831
461	Terminal Bar Cabinet	-	2	5277.00	10554
462	Supporting Instrument Cabinet	-	1	5277.00	5277
463	Redundant Dc Power Supply (30a)	-	2	21108.50	42217
464	Bimetallic Thermometer Protection Tube Material: 316ss: 300lb 1-1/2 ″Rf Connecting Flange	-	11	131.91	1451
465	Integrated Temperature Transmitter Protection Tube Material: 316ss: 300lb 11/2 ″Rf Connecting Flange	-	5	1319.20	6596
466	Stainless Steel Pressure Gauge	-	25	58.04	1451
467	Stainless Steel Vibration-Proof Pressure Gauge	-	17	95.00	1615
468	Vortex Shedding Flowmeteransi 150lb 2″ Rf	-	1	8523.00	8523
469	Vortex Shedding Flowmeteransi 300lb 1-1/2″ Rf	-	1	7850.00	7850
470	Vortex Shedding Flowmeteransi 150lb 1-1/2″ Rf	-	1	7850.00	7850
471	Servo Liquid Meter	-	4	21108.50	84434
472	Fork Liquid Level Switch	-	8	791.63	6333
473	Magnetic Liquid Level Meter (Circle)Ansi 300lb 2″ Rfl=6000mm	-	12	3419.58	41035
474	Magnetic Liquid Level Meter (Circle)Ansi 300lb 2″ Rfl=1400mm	-	4	1477.50	5910
475	Intelligent Pressure Transmitter	-	16	1451.19	23219
476	Combustible Gas Transmitter	-	16	1583.13	25330
477	Portable Combustible Gas Alarm	-	1	2375.00	2375
478	Pneumatic Parallel Gate Valvesingle Control Ansi 300lb 4″ (Cast Steel)	-	12	9498.75	113985
479	Pneumatic Parallel Gate Valvedual Controlansi 300lb 6″ (Cast Steel)	-	2	11820.50	23641
480	Pneumatic Parallel Gate Valvedual Controlansi 300lb 12″ (Cast Steel)	-	4	21108.50	84434
481	Pneumatic Parallel Gate Valvedual Controlansi 600lb 4″ (Cast Steel)	-	3	16042.33	48127
482	Electric Valve	-	4	48549.25	194197
483	4-20ma Input Surge Protective Device	-	45	131.93	5937
484	Relay Protection Device	-	112	131.93	14776
485	4-20ma Input Surge Protective Device	-	65	131.92	8575
486	24v Dcsurge Protective Device	-	30	131.93	3958
487	220v Acsurge Protective Device	-	5	132.00	660
488	Explosion-Proof Operation Column	-	4	237.50	950
489	Radar Liquid Level Meter	-	4	7124.00	28496
490	Solenoid Valve (Type)	-	21	1583.14	33246
491	Bimetallic Thermometer Protection Tube Material: 316ss: 300lb 1-1/2 ″Rf Connecting Flange	-	17	131.94	2243

492	Integrated Temperature Transmitter Protection Tube Material: 316ss: 300lb 11/2 "Rf Connecting Flange	-	8	1319.25	10554
493	Stainless Steel Pressure Gauge	-	59	58.05	3425
494	Stainless Steel Vibration-Proof Pressure Gauge	-	23	95.00	2185
495	Vortex Shedding Flowmeteransi 150lb 2" Rf	-	1	8523.00	8523
496	Vortex Shedding Flowmeteransi 150lb 1-1/2" Rf	-	1	7850.00	7850
497	Vortex Shedding Flowmeteransi 300lb 1-1/2" Rf	-	1	7850.00	7850
498	Servo Liquid Meter	-	7	21108.43	147759
499	Liquid Level Switch	-	14	791.57	11082
500	Magnetic Liquid Level Meter (Circle) Ansi 300lb 2" Rfl=6000mm	-	21	3419.57	71811
501	Magnetic Liquid Level Meter (Circle) Ansi 300lb 2" Rfl=1400mm	-	7	1477.57	10343
502	Intelligent Pressure Transmitter	-	17	1451.18	24670
503	Combustible Gas Detection Transmitter	-	18	1583.11	28496
504	Portable Type Combustible Gas Detector	-	1	2375.00	2375
505	Pneumatic Parallel Gate Valveansi 300lb 2" (Cast Steel)	-	1	8232.00	8232
506	Pneumatic Parallel Gate Valveansi 300lb 3" (Cast Steel)	-	1	10093.00	10093
507	Pneumatic Parallel Gate Valveansi 300lb 4" (Cast Steel)	-	2	9499.00	18998
508	Pneumatic Parallel Gate Valveansi 300lb 6" (Cast Steel)	-	8	11820.75	94566
509	Pneumatic Parallel Gate Valveansi 300lb 8" (Cast Steel)	-	35	16253.46	568871
510	Pneumatic Parallel Gate Valveansi 300lb 10" (Cast Steel)	-	2	14776.00	29552
511	Pneumatic Parallel Gate Valveansi 300lb 16" (Cast Steel)	-	7	30844.71	215913
512	Electric Valve	-	7	33245.71	232720
513	4-20ma Input Surge Protective Device	-	45	131.93	5937
514	Relay Protection Device	-	310	131.93	40897
515	Surge Protective Device	-	30	131.93	3958
516	24v Dcsurge Protective Device	-	7	131.86	923
517	220v Acsurge Protective Device	-	7	131.86	923
518	Explosion-Proof Operation Column	-	7	237.43	1662
519	Radar Liquid Level Meter	-	7	7124.14	49869
520	Solenoid Valve (Type)	-	56	1583.13	88655
521	Bimetallic Thermometer	-	10	131.90	1319
522	Stainless Steel Pressure Gauge	-	8	58.00	464
523	Stainless Steel Vibration-Proof Pressure Gauge	-	18	95.00	1710
524	Concentric Orificedn150 Pn5.0	-	3	1425.00	4275
525	Concentric Orificedn100 Pn5.0	-	2	1187.50	2375
526	Vortex Shedding Flowmeteransi 300lb 1-1/2"Rf Split Type	-	1	7850.00	7850

527	Vortex Shedding Flowmeteransi150lb1-1/2″ Rfintegral Type	-	1	8523.00	8523
528	Vortex Shedding Flowmeteransi 150lb 2″ Rf Integral Type	-	1	7850.00	7850
529	Mass Flowmeteransi 150lb 4″ Rf	-	2	36939.50	73879
530	Mass Flowmeteransi 150lb 3″ Rf	-	6	23747.00	142482
531	Mass Flowmeteransi 150lb 1″ Rf	-	1	11082.00	11082
532	Intelligent Pressure Transmitter	-	26	1451.19	37731
533	Integrated Temperature Transmitter	-	10	1319.30	13193
534	Intelligent Pressure Transmitter	-	5	1715.00	8575
535	Combustible Gas Detection Transmitter	-	11	1583.09	17414
536	Portable Type Combustible Gas Detector	-	1	2375.00	2375
537	Online Total Sulfur Analyzer	-	6	263854.83	1583129
538	Online Total Content Analyzer	Set	1	1055420.00	1055420
539	4-20masurge Protective Device (Two Lines)	-	95	131.93	12533
540	4-20masurge Protective Device (Four Lines)	-	15	131.93	1979
541	Electric Relay	-	360	131.93	47494
542	24vdcsurge Protective Device	-	15	131.93	1979
543	220vacsurge Protective Device	-	5	132.00	660
544	Rs485surge Protective Device	-	3	132.00	396
545	Electric Valve Locator	-	19	1583.11	30079
546	Field Instrument	-	106	131.92	13984
547	Electromagnetic Valve	-	76	1583.13	120318
548	Pneumatic Gate Valve Ansi 150lb 4″	-	11	9498.82	104487
549	Pneumatic Gate Valve Ansi 150lb 6″	-	43	11820.70	508290
550	Pneumatic Gate Valve Ansi 150lb 12″	-	4	21108.50	84434
551	Pneumatic Gate Valve Ansi 150lb 10″	-	6	16886.67	101320
552	Pneumatic Gate Valve Ansi 150lb 2″	-	3	8232.33	24697
553	Pneumatic Gate Valve Ansi 150lb 14″	-	2	29552.00	59104
554	Pneumatic Gate Valve Ansi 150lb 8″	-	6	16253.50	97521
555	Pneumatic Gate Valve Ansi 150lb 3″	-	1	9077.00	9077
556	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Ansi 300lb 3″	-	2	3377.50	6755
557	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Ansi 300lb 6″	-	2	10554.00	21108
558	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Ansi 300lb 2″	-	1	1478.00	1478
559	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Ansi 300lb 4″	-	5	5277.00	26385
560	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Ansi 300lb 4″	-	4	6332.50	25330
561	Pneumatic Film Regulating Valve (With Valve Locator)Ansi 300lb 2″	-	1	2955.00	2955
562	Pneumatic Film Regulating Valve (With Valve Locator)Ansi 300lb 1″	-	1	2111.00	2111

563	Pneumatic Film Regulating Valve (With Valve Locator)Ansi 300lb 3″	-	1	4433.00	4433
564	Pneumatic Film Regulating Valve (With Valve Locator)Ansi 300lb 6″	-	2	11609.50	23219
565	Explosion-Proof Junction Box	-	2	791.50	1583
566	Bimetallic Thermometer	-	4	132.00	528
567	Thermal Resistor	-	25	184.68	4617
568	Stainless Steel Pressure Gauge	-	11	58.00	638
569	Vortex Shedding Flowmeter Explosion Suppression ，Exdiibt4ansi 300lb 2″ Rf Split Type	-	2	9024.00	18048
570	Vortex Shedding Flowmeter Explosion Suppression ，Exdiibt4ansi 150lb 2″ Rf Integral Type	-	2	8522.50	17045
571	Vortex Shedding Flowmeter Explosion Suppression ，Exdiibt4ansi 150lb 1-1/2″ Rf Integral Type	-	1	7850.00	7850
572	Vortex Shedding Flowmeter Explosion Suppression ，Exdiibt4ansi 150lb 3″ Rf Integral Type	-	1	10093.00	10093
573	Mass Flowmeteransi 300lb 3″ Rf	-	13	26385.46	343011
574	Mass Flowmeteransi 150lb 4″ Rf	-	10	36939.70	369397
575	Mass Flowmeteransi 300lb 2″ Rf	-	2	18470.00	36940
576	Intelligent Pressure Transmitter	-	31	1451.19	44987
577	Single Flange Transmitter	-	2	2638.50	5277
578	Integrated Temperature Transmitter	-	5	1319.20	6596
579	Combustible Gas Detection Transmitter	-	20	1583.15	31663
580	Portable Type Combustible Gas Detector	-	1	2375.00	2375
581	4-20masurge Protective Device	-	55	131.93	7256
582	Electric Relay	-	25	131.92	3298
583	220vacsurge Protective Device	-	30	131.93	3958
584	Rs485surge Protective Device	-	30	131.93	3958
585	Field Instrument	-	50	131.92	6596
586	Electromagnetic Valve	-	29	1583.14	45911
587	Cylinder Valve Ansi 300lb 10″ (Cast Steel)	-	1	23219.00	23219
588	Cylinder Valve Ansi 150lb 8″ (Cast Steel)	-	1	16253.00	16253
589	Cylinder Valve Ansi 300lb 8″ (Cast Steel)	-	2	15435.50	30871
590	Numerical Control Valveansi 300lb 3″ (Carbon Steel)	-	13	12005.38	156070
591	Numerical Control Valveansi 150lb 4″ (Carbon Steel)	-	10	12928.90	129289
592	Numerical Control Valveansi 300lb 4″ (Carbon Steel)	-	2	13852.50	27705
593	Quantitative Loading Controller	Set	25	11873.48	296837
594	Upper Monitoring Management Machine	Set	1	23747.00	23747
595	Explosion-Proof Junction Box	-	2	791.50	1583
596	Field Operation Column	-	4	237.50	950
597	Bimetallic Thermometer	-	2	132.00	264
598	Thermal Resistor	-	10	211.10	2111
599	Stainless Steel Pressure Gauge	-	6	58.00	348

600	Vortex Shedding Flowmeteransi 300lb 1-1/2″ Rf Split Type	-	1	7850.00	7850
601	Vortex Shedding Flowmeteransi 150lb 1-1/2″ Rf Integral Type	-	1	7850.00	7850
602	Vortex Shedding Flowmeteransi 150lb 1″ Rf Integral Type	-	1	8523.00	8523
603	Mass Flowmeteransi 300lb 2″ Rf	-	6	18469.83	110819
604	Mass Flowmeteransi 150lb 3″ Rf	-	2	23747.00	47494
605	Mass Flowmeteransi 300lb 3″ Rf	-	2	26385.50	52771
606	Intelligent Pressure Transmitter	-	12	1451.17	17414
607	Inteligent Single Flange Transmitter	-	2	2638.50	5277
608	Integrated Temperature Transmitter	-	2	1319.50	2639
609	Combustible Gas Detector	-	9	1583.11	14248
610	Portable Type Combustible Gas Detector	-	1	2375.00	2375
611	4-20masurge Protective Device	-	30	131.93	3958
612	Electric Relay	-	16	131.94	2111
613	220vac Surge Protective Device	-	15	131.93	1979
614	Rs485 Surge Protective Device	-	15	131.93	1979
615	Field Instrument	-	63	131.92	8311
616	Power Supply Cabinet	-	1	5277.00	5277
617	Surge Protective Device Cabinet	-	2	5277.00	10554
618	Terminal Bar Cabinet	-	2	5277.00	10554
619	Supporting Instrument Cabinet	-	1	5277.00	5277
620	Redundant Dc Power Supply	-	2	21108.50	42217
621	Electromagnetic Valve	-	13	1583.15	20581
622	Cylinder Valve Ansi 300lb 6″ (Cast Steel)	-	1	14248.00	14248
623	Cylinder Valve Ansi 150lb 8″ (Cast Steel)	-	1	16253.00	16253
624	Cylinder Valve Ansi 300lb 8″ (Cast Steel)	-	1	15435.00	15435
625	Numerical Control Valveansi 300lb 2″ (Carbon Steel)	-	6	13720.50	82323
626	Numerical Control Valveansi 150lb 4″ (Carbon Steel)	-	2	14776.00	29552
627	Numerical Control Valveansi 300lb 4″ (Carbon Steel)	-	2	15831.50	31663
628	Quantitative Loading Controller	Set	10	11873.50	118735
629	Quantitative Loading Control System	Set	1	23747.00	23747
630	Explosion-Proof Junction Box	-	1	792.00	792
631	Field Operation Column	-	3	237.33	712
632	Bimetallic Thermometer	-	6	132.00	792
633	Stainless Steel Pressure Gauge	-	3	58.00	174
634	Stainless Steel Vibration-Proof Pressure Gauge	-	8	95.00	760
635	Vortex Shedding Flowmeteransi 300lb 1-1/2″ Rf Split Type	-	1	7850.00	7850
636	Vortex Shedding Flowmeteransi 150lb 1″ Rf Integral Type	-	1	8523.00	8523
637	Electromagnetic Flowmeter	-	1	13193.00	13193
638	Radar Liquid Level Meter	-	4	7124.00	28496
639	Paste Type Intelligent Ultrasonic Level Switch	-	8	3562.00	28496

640	Intelligent Pressure Transmitter	-	7	1451.14	10158
641	Integrated Temperature Transmitter	-	6	1319.33	7916
642	4-20masurge Protective Device (Two Lines)	-	22	131.91	2902
643	4-20masurge Protective Device (Four Lines)	-	4	132.00	528
644	Field Instrument	-	57	131.93	7520
645	24vdc Surge Protective Device	-	10	131.90	1319
646	220vac Surge Protective Device	-	5	132.00	660
647	Field Instrument	-	30	131.93	3958
648	Electromagnetic Valve	-	12	1583.17	18998
649	Cylinder Valve Ansi 150lb 6″	-	4	11820.75	47283
650	Cylinder Valve Ansi 150lb 3″	-	2	7942.00	15884
651	Cylinder Valve Ansi 150lb 4″	-	6	14775.83	88655
652	Explosion-Proof Junction Box	-	2	791.50	1583
653	Bimetallic Thermometer (Flanged Connection Sleeve)	-	14	131.93	1847
654	Leakproof Sheathed Type ″K″Thermocouple	-	13	237.46	3087
655	Normal Stainless Steel Pressure Gauge	-	18	58.06	1045
656	Stainless Steel Vibration-Proof Pressure Gauge	-	4	95.00	380
657	Stainless Steel Pressure Gauge	-	1	264.00	264
658	Flange Pressure Hole Platecarbon Steel Pn5.0mpadn50	Set	3	641.33	1924
659	Flange Pressure Hole Platecarbon Steel Pn5.0mpadn80	Set	2	855.00	1710
660	Flange Pressure Hole Platecarbon Steel Pn5.0mpadn200	Set	2	1710.00	3420
661	Internal Hidden Hole Plate Transmitter Dn25	-	2	5910.50	11821
662	Vortex Shedding Flowmeter1 1/2″ Ansi150lb Rf	-	1	7850.00	7850
663	Vortex Shedding Flowmeter3″ Ansi150lb Rf	-	2	10092.50	20185
664	Vortex Shedding Flowmeter10″ Ansi300lb Rf	-	1	17546.00	17546
665	Double Color Without Blind Zone Glass Plate Liquid Level Gauge	-	5	1319.20	6596
666	Magnetic Level Gauge	-	2	1425.00	2850
667	Ultrasonic Level Meter	-	1	7124.00	7124
668	Intelligent Pressure Transmitter	-	25	1451.20	36280
669	Intelligent Pressure Transmitter	-	10	1715.10	17151
670	Intelligent Double Flange Level Transmitter	-	7	3166.29	22164
671	Temperature Transmitter (Indoor)	-	13	1319.31	17151
672	Surge Protective Device	-	133	131.92	17546
673	Electric / Gas Valve Locator	-	10	1583.10	15831
674	Power Supply Cabinet	-	1	5277.00	5277
675	Surge Protective Device Cabinet	-	1	5277.00	5277
676	Terminal Bar Cabinet	-	1	5277.00	5277
677	Supporting Instrument Cabinet	-	1	5277.00	5277
678	Redundant Dc Power Supply (30a)	-	2	21108.50	42217
679	Combustible Gas Detector	-	6	1583.17	9499

680	Toxic Gas Detector (H2s)	-	3	1583.00	4749
681	Portable Type Combustible Gas Detector	-	1	2375.00	2375
682	Toxic Gas Detector	-	1	2375.00	2375
683	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Dn25	-	2	1319.50	2639
684	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Dn40	-	3	1266.33	3799
685	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Dn50	-	2	1477.50	2955
686	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Dn80	-	1	3377.00	3377
687	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Dn150	-	2	10554.00	21108
688	Cylinder Valve （Flat Gate Valve） Dn50	-	1	9499.00	9499
689	Cylinder Valve （Flat Gate Valve） Dn80	-	2	10686.00	21372
690	Cylinder Valve （Flat Gate Valve） Dn100	-	2	11214.00	22428
691	Electric On/Off Three Eccentric Butterfly Valve Dn1100	-	3	147758.67	443276
692	Explosion-Proof Junction Box	-	3	791.67	2375
693	Bimetallic Thermometer	-	5	132.00	660
694	Stainless Steel Pressure Gauge	-	7	58.00	406
695	Vacuum Pressure Gauge	-	2	132.00	264
696	Concentric Orifice	-	1	1710.00	1710
697	Vortex Shedding Flowmeteransi 300lb 1-1/2″ Rf Split Type	-	1	7850.00	7850
698	Vortex Shedding Flowmeteransi 150lb 3″ Rf Integral Type	-	1	10093.00	10093
699	Vortex Shedding Flowmeteransi 150lb 1-1/2″ Rf Integral Type	-	1	7850.00	7850
700	Outer Buoy Level Meter	-	2	6332.50	12665
701	Radar Liquid Level Meter	-	2	7124.00	14248
702	Glass Plate Liquid Level Gauge	-	2	791.50	1583
703	Magnetostrictive Liquid Level Meter	-	1	12929.00	12929
704	Intelligent Pressure Transmitter	-	12	1451.17	17414
705	Integrated Temperature Transmitter	-	14	1319.29	18470
706	Intelligent Pressure Transmitter	-	5	1715.00	8575
707	Intelligent Micro Differential Pressure Transmitter	-	6	1715.00	10290
708	Combustible Gas Detector	-	12	2374.67	28496
709	Portable Type Combustible Gas Detector	-	1	2375.00	2375
710	Hydrogen Sulfide Gas Detector	-	10	2374.70	23747
711	Portable Gas Detector	-	1	2375.00	2375
712	4-20masurge Protective Device (Two Lines)	-	60	131.93	7916

713	4-20masurge Protective Device (Four Lines)	-	25	131.92	3298
714	Electric Relay	-	45	131.93	5937
715	24vdcsurge Protective Device	-	20	131.95	2639
716	220vacsurge Protective Device	-	5	132.00	660
717	Field Instrument	-	75	131.93	9895
718	Electric Valve Locator	-	3	1583.00	4749
719	Electromagnetic Valve	-	11	1583.09	17414
720	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Ansi 300lb 6″	-	1	10554.00	10554
721	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Ansi 300lb 8″	-	1	12665.00	12665
722	Pneumatic Diaphragm Control Valve (Not Including Electric / Pneumatic Valve Locator)Ansi 300lb 1-1/2″	-	1	1266.00	1266
723	Pneumatic Gate Valve Ansi 150lb 4″	-	3	9498.67	28496
724	Pneumatic Gate Valve Ansi 150lb 10″	-	3	16886.67	50660
725	Pneumatic Gate Valve Ansi 150lb 6″	-	3	11820.67	35462
726	Pneumatic Three Eccentric Butterfly Valve	-	2	36939.50	73879
727	Explosion-Proof Junction Box	-	2	791.50	1583
728	Compressor Parts	Set	1	52771.00	52771
729	Bimetallic Thermometer Protection Tube Material: 316 Ss 300lb 1-1/2 ″Rf: Connecting Flange	-	1	132.00	132
730	Bimetallic Thermometer Protection Tube Material: 316 Ss 150lb 1-1/2 ″Rf: Connecting Flange	-	12	131.92	1583
731	Integrated Temperature Transmitter Protection Tube Material: 316ss Connecting Flange: 300lb 11/2″Rf	-	6	1319.33	7916
732	Stainless Steel Pressure Gauge	-	20	58.05	1161
733	Stainless Steel Resistant To Vibration Diaphragm Pressure Gauge	-	17	498.71	8478
734	Vortex Shedding Flowmeteransi 300lb 3″ Rf	-	1	10686.00	10686
735	Vortex Shedding Flowmeteransi 150lb 1″ Rf	-	1	8523.00	8523
736	Radar Liquid Level Meter	-	5	7124.00	35620
737	Ultrasonic Level Switch	-	10	3562.00	35620
738	Intelligent Single Flange Pressure Transmitter	-	5	2638.60	13193
739	Intelligent Pressure Transmitter	-	2	1451.00	2902
740	Combustible Gas Transmitter	-	13	1583.15	20581
741	Portable Combustible Gas Alarm	-	1	2375.00	2375
742	Pneumatic Filmregulating Valveansi 300lb 3″ Rf (Carbon Steel)	-	3	3377.33	10132
743	Cylinder Valve (Not Including Electromagnetic Valve) Single Control Ansi 150lb 3″ Rf	-	3	7942.00	23826

744	Cylinder Valve (Not Including Electromagnetic Valve) Dual Controlansi 150lb 12″ Rf	-	5	18469.80	92349
745	Cylinder Valve (Not Including Electromagnetic Valve) Dual Controlansi 150lb 6″ Rf	-	9	10343.11	93088
746	Cylinder Valve (Not Including Electromagnetic Valve) Dual Controlansi 150lb 8″ Rf	-	2	14222.00	28444
747	Cylinder Valve (Not Including Electromagnetic Valve) Dual Controlansi 150lb 4″ Rf	-	2	8311.50	16623
748	Cylinder Valve (Not Including Electromagnetic Valve) Dual Controlansi 150lb 3″ Rf	-	2	7942.00	15884
749	Cylinder Valve (Not Including Electromagnetic Valve) Dual Controlansi 300lb 3″ Rf	-	2	7942.00	15884
750	Electric Three Eccentric Butterfly Valve (Fit Into)	-	4	12929.00	51716
751	4-20ma Input Surge Protective Device	-	55	131.93	7256
752	Ao Output Surge Protective Device	-	4	132.00	528
753	Relay Protection Device	-	140	131.93	18470
754	24v Dcsurge Protective Device	-	30	131.93	3958
755	220v Acsurge Protective Device	-	6	132.00	792
756	Solenoid Valve (Explosion-Proof)	-	25	1583.12	39578
757	Electric / Gas Valve Locator	-	3	1583.00	4749
758	Bimetallic Thermometer	-	7	131.86	923
759	Stainless Steel Pressure Gauge, Precision Level: 1.5	-	31	58.06	1800
760	Stainless Steel Vibration-Proof Pressure Gauge, Precision Level: 1.5	-	11	95.00	1045
761	Stainless Steel Diaphragm Pressure Gauge, Precision Level: 1.5	-	2	475.00	950
762	Stainless Steel Diaphragm Pressure Gauges-Resistant,Precision Level: 1.5	-	5	498.60	2493
763	Vortex Shedding Flowmeteransi 300lb 1-1/2″ Rf Split Type	-	1	7850.00	7850
764	Vortex Shedding Flowmeteransi 150lb 2″ Rf Integral Type	-	1	8523.00	8523
765	Vortex Shedding Flowmeteransi 150lb 1-1/2″ Rf Integral Type	-	1	7850.00	7850
766	Servo Liquid Meter Ansi 150lb 3″ Rf	-	5	18469.80	92349
767	Paste Type Intelligent Ultrasonic Level Switch	-	10	3562.00	35620
768	Magnetostrictive Liquid Level Meter	-	2	12929.00	25858
769	Intelligent Pressure Transmitter	-	8	1451.25	11610
770	Integrated Temperature Transmitter	-	6	1319.33	7916
771	Intelligent Micro Differential Pressure Transmitter	-	2	1715.00	3430
772	Intelligent Single Flange Pressure Transmitter	-	2	2638.50	5277
773	Combustible Gas Detection Transmitter	-	10	1583.10	15831

774	Portable Type Combustible Gas Detector	-	1	2375.00	2375
775	4-20masurge Protective Device (Two Lines)	-	35	131.91	4617
776	4-20masurge Protective Device (Four Lines)	-	20	131.95	2639
777	Electric Relay	-	161	131.93	21240
778	220vac Surge Protective Device	-	5	132.00	660
779	24vdc Surge Protective Device	-	10	131.90	1319
780	Field Instrument	-	60	131.93	7916
781	Electromagnetic Valve	-	33	1583.12	52243
782	Cylinder Valve Ansi 150lb 14″ (Cast Steel)	-	3	25857.67	77573
783	Cylinder Valve Ansi 150lb 10″ (Cast Steel)	-	1	14776.00	14776
784	Cylinder Valve Ansi 150lb 8″ (Cast Steel)	-	3	14221.67	42665
785	Cylinder Valve Ansi 150lb 6″ (Cast Steel)	-	9	10343.11	93088
786	Cylinder Valve Ansi 150lb 4″ (Cast Steel)	-	2	8311.50	16623
787	Cylinder Valve Ansi 300lb 12″ (Cast Steel)	-	2	18470.00	36940
788	Cylinder Valve Ansi 300lb 8″ (Cast Steel)	-	2	15435.50	30871
789	Cylinder Valve Ansi 300lb 6″ (Cast Steel)	-	6	14248.17	85489
790	Cylinder Valve Ansi 300lb 3″ (Cast Steel)	-	2	10686.00	21372
791	Cylinder Valve Ansi 300lb 4″ (Cast Steel)	-	3	11213.67	33641
792	Electric Three Eccentric Butterfly Valve Ansi 150lb 8″ Rf	-	4	17731.00	70924
793	Electric Three Eccentric Butterfly Valve Ansi 150lb 4″ Rf	-	1	10343.00	10343
794	Explosion-Proof Junction Box	-	2	791.50	1583
795	Protection Tube Material: 316ss	-	8	131.88	1055
796	Stainless Steel Pressure Gauge	-	9	58.00	522
797	Stainless Steel Vibration-Proof Pressure Gauge	-	4	95.00	380
798	Stainless Steel Diaphragm Pressure Gauge	-	1	237.00	237
799	Vortex Shedding Flowmeteransi 300lb 6″Rf	Set	1	14578.00	14578
800	Vortex Shedding Flowmeteransi 150lb 4″Rf	Set	2	13456.50	26913
801	Transparent Glass Plate Liquid Level Gauge	-	1	792.00	792
802	Reflective Glass Plate Liquid Level Gauge	-	1	792.00	792
803	Outer Buoy Level Meter	-	2	6332.50	12665
804	Magnetostrictive Liquid Level Meter	-	1	3325.00	3325
805	Integrated Temperature Transmitter	-	5	1319.20	6596
806	Intelligent Pressure Transmitter	-	4	1451.25	5805

807	Combustible Gas Detection Transmitter	-	1	1583.00	1583
808	Toxic Gas Detection Transmitter	-	1	1583.00	1583
809	Portable Combustible Gas Detection Alarm	-	2	2374.50	4749
810	Portable Toxic Gas Detection Alarm	-	2	2374.50	4749
811	Electric Control Valve Ansi 300lb 3″ Rf(Cs)	-	2	10343.00	20686
812	Electric Control Valve Ansi 300lb 2″ Rf(Cs)	-	1	8681.00	8681
813	Electric Shutoff Valve Ansi 300lb 2″ (Cs) Rf	-	2	11451.50	22903
814	Surge Protective Device	-	20	131.95	2639
815	Field Control System	Set	1	57257.00	57257
816	24vdcsurge Protective Device	-	10	131.90	1319
817	Ai（4～20ma） Input Safety Barrier	-	5	158.40	792
818	Ao（4～20ma）Output Safety Barrier	-	5	158.40	792
819	Pt100 Input Safety Barrier（Belt Transmission）	-	4	158.25	633
820	4-20masurge Protective Device	-	10	131.90	1319
821	220v Acsurge Protective Device	-	1	132.00	132
822	Rtd Surge Protective Device	-	4	132.00	528
823	Thermal Mass Flowmeter	-	18	13192.78	237470
824	Combustible Gas Detector	-	1	1583.00	1583
825	Air Temperature And Humidity Air-Conditioner Hf13n	-	2	23747.00	47494
826	Air Cooled Cooling And Heating Air Conditioner Kfr-120lw	-	1	9763.00	9763
827	Air Cooling Air Cooling Type Air Conditioner	-	1	9235.00	9235
828	Air Cooled Cooling And Heating Air Conditioner Kfr-72lw	-	2	3958.00	7916
829	Air Cooled Heating Cabinet Type Air Conditioner	-	2	1319.50	2639
830	Air Temperature And Humidity Air-Conditioner Hf13n	-	1	23747.00	23747
831	Air Cooling Air Cooling Type Air Conditioner Kf-72lw	-	1	2639.00	2639
832	Air Cooled Cooling And Heating Air Conditionerkfr-50lw	-	1	2111.00	2111
833	Air Cooled Cooling And Heating Air Conditioner Kfr-72lw	-	1	3958.00	3958
834	Air Cooling Air Cooling Type Air Conditioner Kf-72lw	-	1	2639.00	2639
835	Air Cooled Cooling And Heating Air Conditioner Kfr-51lw	-	3	1319.33	3958
836	Air Cooled Heating Wall-Mounted Air Conditioner	-	1	792.00	792
837	Side Wall Type Exhaust Fan	-	1	792.00	792
838	Fixed Spray Cooling Device Spl/Qg-5000	-	5	4353.60	21768
839	Portable Mf8 Type Dry Powder Fire Extinguisher	-	16	52.75	844
840	Small Fire Extinguisher Box (3 Installed)	-	8	47.50	380

841	Fixed Spray Cooling Device Spl/Qg-5000	-	8	4353.63	34829
842	Fixed Spray Cooling Device Spl/Qg-3000	-	2	3364.00	6728
843	Fixed Spray Cooling Device Spl/Qg-2000	-	1	2573.00	2573
844	Portable Mf8 Type Dry Powder Fire Extinguisher	-	28	52.79	1478
845	Small Fire Extinguisher Box (3 Installed)	-	14	47.50	665
846	Fixed Spray Cooling Device Spl/Qg-3000	-	3	9894.67	29684
847	Fixed Spray Cooling Device Spl/Qg-1000	-	1	5937.00	5937
848	Portable Mf8 Type Dry Powder Fire Extinguisher	-	12	52.75	633
849	Small Fire Extinguisher Box (3 Installed)	-	6	47.50	285
850	Fixed Spray Cooling Device Spl/Qg-3000	-	7	11477.71	80344
851	Portable Mf8 Type Dry Powder Fire Extinguisher	-	18	52.78	950
852	Small Fire Extinguisher Box (2 Installed)	-	9	47.44	427
853	Portable Dry Powder Fire Extinguisher Mf8	-	6	52.83	317
854	Small Fire Extinguisher Box Two.	Set	3	47.33	142
855	Portable Dry Powder Fire Extinguisher Mf8	-	20	52.75	1055
856	Small Fire Extinguisher Box Two.	Set	10	47.50	475
857	Long Handle Air Respirator	-	2	2638.50	5277
858	Portable Dry Powder Fire Extinguisher Mf8	-	10	52.80	528
859	Small Fire Extinguisher Box Two	Set	5	47.40	237
860	Long Handle Air Respirator	-	2	2638.50	5277
861	Model Mt5 Portable Carbon Dioxide Fire Extinguishers	-	14	52.79	739
862	Portable Co2 Fire Extinguisher Box Mtx	-	7	47.43	332
863	Full Face Mask Positive Pressure Air Breathing	Set	4	3166.25	12665
864	Full Cover Long Tube Respirator	Set	2	2638.50	5277
865	Full Face Mask	-	12	659.67	7916
866	Anti Static Clothing	Set	24	158.29	3799
867	Antistatic Oil Resistant Gloves	Pair	24	26.38	633
868	Antistatic Oil Resistant Work Shoes	Pair	24	79.17	1900
869	Safety Cap	-	24	79.17	1900
870	Eye Protector	-	12	26.42	317
871	Ear Muffle	-	12	26.42	317
872	Accident Case	-	2	659.50	1319
873	Wind Vane	-	4	263.75	1055
874	Explosion-Proof Emergency Lamp	-	4	145.25	581
875	First-Aid Kit	-	1	132.00	132
876	Acid And Alkali Resistant Gloves	Pair	3	26.33	79

877	Acid And Alkali Resistant Oil Resistant Work Shoes	Pair	3	79.00	237
878	Acid And Alkali Resistant Mask	-	3	158.33	475
879	Acid And Alkali	Set	3	527.67	1583
880	Portable Dry Powder Fire Extinguisher Mf8	-	14	52.79	739
881	Small Fire Extinguisher Box Two	Set	7	47.43	332
882	Portable Mf8 Type Dry Powder Fire Extinguisher	-	12	52.75	633
883	Small Fire Extinguisher Box (2 Installed)	-	6	47.50	285
884	Model Mt5 Portable Carbon Dioxide Fire Extinguishers	-	4	52.75	211
885	Portable Co2 Fire Extinguisher Box Mtx	-	2	39.50	79
886	Portable Dry Powder Fire Extinguisher Mf8	-	16	52.75	844
887	Small Fire Extinguisher Box Two.	Set	8	47.50	380
888	Model Mf5 Portable Ammonium Phosphate Dry Powder Fire Extinguisher	-	2	53.00	106
889	Portable Fire Extinguisher Box Mfx (Stainless Steel)	-	1	47.00	47
890	Portable Mf8 Type Dry Powder Fire Extinguisher	-	14	52.79	739
891	Small Fire Extinguisher Box (3 Installed)	-	7	47.43	332
892	Portable Dry Powder Fire Extinguisher Mf8	-	6	52.83	317
893	Small Fire Extinguisher Box Two.	Set	3	47.33	142
894	Air Respirator	-	2	2638.50	5277
895	Model Mt5 Portable Carbon Dioxide Fire Extinguishers	-	8	52.75	422
896	Portable Co2 Fire Extinguisher Box Mtx	-	4	47.50	190
897	Rotary Jet Mixer	-	6	147758.83	886553
898	Automatic Dewatering Device	-	2	21768.00	43536
899	Outdoor Explosion-Proof Power Distribution Box	-	3	6332.67	18998
900	Outdoor Explosion-Proof Power Distribution Box	-	3	4749.33	14248
901	Outdoor Explosion-Proof Power Supply Panal	-	3	6332.67	18998
902	Explosion-Proof Lighting Distribution Box	-	2	4749.50	9499
903	Optical Fiber Grating Temperature Sensing Detector	Set	6	79156.50	474939
904	Bimetallic Thermometer (Flanged Connection Sleeve)	-	6	280.33	1682
905	Multi Point Average Thermometer (With Water Level Probe)	-	6	26385.50	158313
906	Stainless Steel Pressure Gauge	-	66	209.88	13852
907	Radar Liquid Level Meter	-	6	52771.00	316626
908	Communication Interface: 880ciuprime	Set	1	31663.00	31663
909	Ultrasonic Level Switch	-	12	7915.67	94988

910	High Precision Single Flange Level Transmitter	-	6	7915.67	47494
911	Concentration Of Combustible Gas Detection Transmitter	-	24	3166.25	75990
912	Portable Type Combustible Gas Detector	-	1	3562.00	3562
913	Motor-Driven Flat Gate Valveansi 150lb Rf 16″	-	6	94987.83	569927
914	Motor-Driven Flat Gate Valveansi 150lb Rf 24″	-	8	138523.88	1108191
915	Motor-Driven Flat Gate Valveansi 150lb Rf 28″	-	17	179266.12	3047524
916	Motor-Driven Flat Gate Valveansi 150lb Rf 20″	-	3	121373.33	364120
917	Electric Power Of Three Eccentric Butterfly Valveansi 150lb Rf 10″	-	6	68602.33	411614
918	Surge Protective Device	-	615	263.86	162271
919	Explosion-Proof Junction Box	-	2	791.50	1583
920	Ring Bus Control System	Set	2	195912.50	391825
921	Outdoor Fire Extinguisher Box	-	12	2110.83	25330
922	Portable Mf8 Type Dry Powder Fire Extinguisher	-	12	105.50	1266
923	Small Fire Extinguisher Box (3 Installed)	-	6	95.00	570
924	P0302-04 Transmission Pump Feed Pump	-	1	176073.00	176073
925	P0302-05/06 Unit Feed Pump	-	2	84400.00	168800
926	P0302-07 Unit Feed Pump	-	1	111921.00	111921
927	P0302-08 Unit Feed Pump (And Inverted Cans)	-	1	111921.00	111921
928	P0302-09/10 Device For Pump	-	2	320612.50	641225
929	Sdq-3 Manual Single Beam Crane	-	1	9235.00	9235
930	Bimetallic Thermometer (Flanged Connection Sleeve)	-	11	131.91	1451
931	Integrated Temperature Transmitter	-	10	2242.80	22428
932	Mounting Temperature Transducer	-	50	1055.42	52771
933	Stainless Steel Diaphragm Pressure Gauge	-	33	263.85	8707
934	Remote Single Flange Pressure Transmitter	-	20	3957.85	79157
935	Concentration Of Combustible Gas Detection Transmitter	-	5	2638.60	13193
936	Electric Control Type Flat Gate Valveansi 150lb Rf 10″	-	4	34301.25	137205
937	Electric Control Type Flat Gate Valveansi 150lb Rf 12″	-	9	39578.22	356204
938	Electric Control Type Flat Gate Valveansi 150lb Rf 16″	-	2	52771.00	105542
939	Electric Control Type Flat Gate Valveansi 150lb Rf 20″	-	5	68602.20	343011
940	Electrical Work Flat Gate Valveansi 150lb Rf 12″	-	4	34301.25	137205
941	Electrical Work Flat Gate Valveansi 150lb Rf 16″	-	11	47493.91	522433

942	Electrical Work Flat Gate Valveansi 150lb Rf 24″	-	5	73879.40	369397
943	Electrical Work Flat Gate Valveansi 150lb Rf 28″	-	6	92349.17	554095
944	Surge Protective Device	-	595	131.93	78497
945	Power Box	-	1	3958.00	3958
946	Explosion-Proof Power Distribution Box	-	4	3957.75	15831
947	Explosion-Proof Lighting Distribution Box	-	1	4749.00	4749
948	Explosion Proof Alarm Integrated Station	Set	10	6411.70	64117
949	Grating Temperature Sensing Detector	Set	212	185.23	39268
950	Multipoint Average Thermometer 316ss	-	8	6596.38	52771
951	Stainless Steel Pressure Gauge	-	56	87.07	4876
952	Servo Liquid Meter	-	8	21108.38	168867
953	Wave Liquid Level Switch	-	16	3166.25	50660
954	High Precision Single Flange Pressure Transmitter	Set	8	3166.25	25330
955	Concentration Of Combustible Gas Detection Alarm	-	32	1451.19	46438
956	Fire Detection Alarm	-	8	3166.25	25330
957	Electric Gate Valve Ansi 150lb Rf24″	-	48	42216.79	2026406
958	Explosion-Proof Junction Box （Stainless Steel）	-	1	660.00	660
959	Sampler Dn25	Set	8	8971.13	71769
960	Dehydrator Dn100	Ton	24	3007.96	72191
961	Air Foam Generator Pc18	-	48	1272.83	61096
962	Drench Valve Viking F1-6″	Set	32	12137.31	388394
963	Drench Valve Viking F1-4″	Set	24	10554.21	253301
964	Water Spray Device Gpla30	Set	8	56992.63	455941
965	Portable Foam Fire Extinguisher Mf8	-	16	52.75	844
966	Fire Extinguisher Box (2 Pack)	-	8	31.63	253
967	Power Box	-	1	3958.00	3958
968	Explosion-Proof Power Distribution Box	-	2	3958.00	7916
969	Explosion-Proof Lighting Distribution Box	-	1	4749.00	4749
970	Explosion Proof Alarm Integrated Station	Set	7	6411.71	44882
971	Grating Temperature Sensing Detector	Set	160	185.23	29636
972	Multipoint Average Thermometer 316ss	-	6	6596.33	39578
973	Stainless Steel Pressure Gauge	-	42	87.07	3657
974	Servo Liquid Meter	-	6	21108.33	126650
975	Liquid Level Switch	-	12	3166.25	37995
976	High Precision Single Flange Pressure Transmitter	Set	6	3166.33	18998
977	Concentration Of Combustible Gas Detection Alarm	-	22	1451.18	31926
978	Fire Detection Alarm	-	6	3166.33	18998
979	Motor-Driven Flat Gate Valveansi 150lb Rf20″	-	6	36939.67	221638
980	Motor-Driven Flat Gate Valveansi 150lb Rf24″	-	6	42216.83	253301

981	Explosion-Proof Junction Box （Stainless Steel）	-	1	660.00	660
982	Sampler	Set	6	8971.00	53826
983	Dehydrator Dn100	Ton	18	3007.94	54143
984	Air Foam Generator Pc18	-	36	1272.83	45822
985	Deluge Valve Installation Viking F1-6″	Set	24	12137.33	291296
986	Deluge Valve Installation Viking F1-8″	Set	6	16029.17	96175
987	Water Spray Device Gpla30	Set	6	56992.67	341956
988	Portable Foam Fire Extinguisher Mf8	-	12	52.75	633
989	Fire Extinguisher Box (2 Pack)	-	6	31.67	190
990	Powe Box	-	1	3958.00	3958
991	Explosion-Proof Power Distribution Box	-	2	3958.00	7916
992	Explosion-Proof Lighting Distribution Box	-	1	4749.00	4749
993	Explosion Proof Alarm Integrated Station	Set	10	6411.70	64117
994	Grating Temperature Sensing Detector	Set	150	185.23	27784
995	Multi Point Average Thermometer 316ss	-	4	6596.25	26385
996	Stainless Steel Pressure Gauge	-	32	87.06	2786
997	Servo Liquid Meter	-	4	21108.50	84434
998	Liquid Level Switch	-	8	3166.25	25330
999	High Precision Single Flange Pressure Transmitter	Set	4	3166.25	12665
1000	Concentration Of Combustible Gas Detection Alarm	-	16	1451.19	23219
1001	Fire Detection Alarm	-	4	3166.25	12665
1002	Electric Valve Ansi 150lb Rf12″	-	3	84433.67	253301
1003	Electric Valve Ansi 150lb Rf16″	-	3	105542.00	316626
1004	Motor-Driven Flat Gate Valveansi 150lb Rf20″	-	4	36939.75	147759
1005	Motor-Driven Flat Gate Valveansi 150lb Rf24″	-	4	42216.75	168867
1006	Explosion-Proof Junction Box （Stainless Steel）	-	1	660.00	660
1007	Sampler Dn25	Set	4	8971.00	35884
1008	Water Trap Dn100	Ton	12	3007.92	36095
1009	Air Foam Generator Pc18	-	32	1272.84	40731
1010	Deluge Valve Installation Viking F1-6″	Set	16	12137.31	194197
1011	Deluge Valve Installation Viking F1-8″	Set	16	16029.19	256467
1012	Water Spray Device Gpla55	Set	4	92349.25	369397
1013	Portable Foam Fire Extinguishermf8	-	12	52.75	633
1014	Fire Extinguisher Box (3 Pack)	-	4		127
	Total				62367791
13.Water Supply and Sewerage Works					
1	Oily Sewage Lift Pump Q=25m3/H, H=40m	-	2	12563.50	25127
2	Oily Rainfall Lift Pump Q=40m3/H, H=40m	-	2	12563.50	25127
3	Oily Sewage Lift Pump Q=25m3/H, H=40m	-	2	12563.50	25127

4	Wastewater Lift Pump Station (I) Electrical	Set	1	27640.00	27640
5	Wastewater Lift Pump Station (Ii) Electrical	Set	1	27640.00	27640
6	Wastewater Lift Pump Station (Iii) Electrical	Set	1	27640.00	27640
7	Wastewater Lift Pump Station (I) Automatic Control	Set	1	12564.00	12564
8	Wastewater Lift Pump Station (Ii) Automatic Control	Set	1	12564.00	12564
9	Wastewater Lift Pump Station (Iii) Automatic Control	Set	1	12564.00	12564
10	Portable Foam Solution Pump	-	1	5025.00	5025
11	Portable Foam Solution Pump	-	1	5025.00	5025
12	Portable Foam Solution Pump	-	1	5025.00	5025
13	Portable Foam Solution Pump	-	1	5025.00	5025
14	Foam Station (I)Electrical	Set	1	12564.00	12564
15	Foam Station (Ii)Electrical	Set	1	12564.00	12564
16	Foam Station (Iii)Electrical	Set	1	12564.00	12564
17	Stainless Steel Pressure Gauge	-	6	213.50	1281
18	Motor Operated Gate Valve	-	4	45229.25	180917
19	Butterfly Valve Dn350 Pn1.6	-	5	1548.80	7744
20	Butterfly Valve Dn350 Pn1.6	-	5	1548.80	7744
21	Butterfly Valve Dn350 Pn1.6	-	5	1548.80	7744
22	Butterfly Valve Dn350 Pn1.6	-	5	1548.80	7744
23	Side-Wall Type Exhaust Fan	-	8	1256.38	10051
24	Side-Wall Type Exhaust Fan	-	8	1256.38	10051
25	Side-Wall Type Exhaust Fan	-	8	1256.38	10051
26	Side-Wall Type Exhaust Fan	-	8	1256.38	10051
27	Equilibrium Pressure Foam Proportioner	-	2	376911.50	753823
28	Foam Solution Storage Tank V=5m3 Stainless Steel	-	2	37691.00	75382
29	Equilibrium Pressure Foam Proportioner	-	2	376911.50	753823
30	Foam Solution Storage Tank V=5m3 Stainless Steel	-	2	40204.00	80408
31	Equilibrium Pressure Foam Proportioner	-	2	376911.50	753823
32	Foam Solution Storage Tank V=12m3 Stainless Steel	-	2	50255.00	100510
33	Equilibrium Pressure Foam Proportioner	-	2	502548.50	1005097
34	Foam Solution Storage Tank V=15m3 Stainless Steel	-	2	55280.50	110561
35	Oily Sewage Float Circulation Oil Receiver	-	2	100509.50	201019
36	Oily Sewage First Level Flotation Coagulation Reaction Tank	-	3	22614.67	67844
37	Oily Sewage Primary Flotation Equipment (Caf)	-	3	150764.67	452294
38	Oily Sewage Grid	-	1	37691.00	37691
39	Oily Sewage Tank Bottom Mud Scraper	-	2	100509.50	201019

40	Oily Sewage Secondary Flotation Equipment (Daf)	-	3	100509.67	301529
41	Sedimentation Basin Blending Agitator	-	2	8794.50	17589
42	Oily Sewage Sedimentation Basin Mud Scraper	-	2	50255.00	100510
43	Oily Sewage Grid	-	1	32666.00	32666
44	High Efficiency Running Sand Filter	-	6	62818.50	376911
45	Salt-Bearing Waste Water Flotation Circulation Oil Receiver	-	2	87946.00	175892
46	Accident Water Float Circulation Oil Receiver	-	1	87946.00	87946
47	Salt-Bearing Waste Water Tank Bottom Mud Scraper	-	2	87946.00	175892
48	Accident Water Tank Bottom Mud Scraper	-	1	100510.00	100510
49	Salt-Bearing Waste Water Primary Flotation Coagulation Reaction Tank	-	2	22614.50	45229
50	Salt-Bearing Waste Water Primary Flotation Equipment (Caf)	-	2	150764.50	301529
51	Salt-Bearing Waste Water Secondary Flotation Equipment (Daf)	-	2	113073.50	226147
52	Salt-Bearing Waste Water Sedimentation Basin Blending Agitator	-	2	8794.50	17589
53	Salt-Bearing Waste Water Sedimentation Basin Mud Scraper	-	2	62818.50	125637
54	Inorganic Agent Dosing Equipment (Flotation)	-	1	50255.00	50255
55	Inorganic Agent Dosing Equipment (Mix Sinking)	-	1	50255.00	50255
56	Inorganic Agent Dosing Equipment	-	1	50255.00	50255
57	Alkaline Solution Dosing Equipment	-	1	50255.00	50255
58	Phosphorus Dosing Equipment	-	1	50255.00	50255
59	Sodium Hypochlorite Dosing Equipment	-	1	50255.00	50255
60	Ozone Equipment	-	1	511343.00	511343
61	Centrifugal Hydroextractor	-	1	628186.00	628186
62	Condensation Tank Agitator	-	4	8794.50	35178
63	Stench Processing Unit	-	1	2387106.00	2387106
64	Oily Sewage Aeration Biological Filter (Baf)	-	8	127207.63	1017661
65	Salt-Bearing Waste Water Aeration Biological Filter (Baf)	-	6	106791.50	640749
66	Oily Sewage Biochemical Agitator	-	6	12563.67	75382
67	Salt-Bearing Waste Water Biochemical Agitator	-	6	12563.67	75382
68	Rubber Diaphragm Microporosity Aerator (Spherical Cap Type)	Set	12000	35.18	422141
69	Outlet Screen Mesh	M2	300	464.86	139457
70	Perforated Pipe Aerating System Dn300	M	400	150.77	60306
71	Assembling Type Soft Filler	M3	9000	45.23	407064
72	Air Duct Fiberglass Reinforced Plastics Cooling Tower	Set	4	213583.25	854333
73	Air Duct Fiberglass Reinforced Plastics Cooling Tower	Set	2	213583.00	427166

74	Full Automatic Non - Valve Filter	Set	5	75382.20	376911
75	Full Automatic Non - Valve Filter	Set	3	75382.33	226147
76	Corrosion Mitigation Antiprecipitant Dosing Equipment	Set	1	20102.00	20102
77	Corrosion Mitigation Antiprecipitant Dosing Equipment	Set	1	20102.00	20102
78	Bactericide Dosing Equipment	Set	1	25127.00	25127
79	Bactericide Dosing Equipment	Set	1	25127.00	25127
80	Monitoring Heat Exchanger	Set	1	43973.00	43973
81	Monitoring Heat Exchanger	Set	1	43973.00	43973
82	Sodium Hypochlorite Solution Storage Tank	Set	1	60306.00	60306
83	Aoaeration Blower	-	4	45229.25	180917
84	Bafaeration Blower	-	3	20102.00	60306
85	Oily Sewage Lift Pump	-	2	10051.00	20102
86	Oily Sewage Lift Pump	-	2	12061.00	24122
87	Oily Sewage Lift Pump	-	2	15076.50	30153
88	Oily Sewage Nitrate Solution Reflux Pump	-	3	16081.67	48245
89	Oily Sewage Baf Water Inflow Lift Pump	-	2	16081.50	32163
90	Oily Sewage Back Flush Waste Water Lift Pump	-	2	4020.50	8041
91	Oily Sewage Back Flush Feed Pump	-	3	20102.00	60306
92	Oily Sewage Filter Water Inflow Lift Pump	-	2	16081.50	32163
93	Oily Sewage Recycle-Water Lift Pump	-	3	10051.00	30153
94	Oily Sewage Ozone Equipment Cooling Pump	-	2	4020.50	8041
95	Domestic Sewage Lift Pump	-	2	6030.50	12061
96	Salt-Bearing Waste Water Lift Pump	-	3	10051.00	30153
97	Salt-Bearing Waste Water Lift Pump	-	2	12061.00	24122
98	Accident Water Lift Pump	-	2	4020.50	8041
99	Salt-Bearing Waste Water Nitrate Solution Reflux Pump	-	3	12061.00	36183
100	Salt-Bearing Waste Water Baf Water Inflow Lift Pump	-	2	10051.00	20102
101	Salt-Bearing Waste Water Back Flush Waste Water Lift Pump	-	2	4020.50	8041
102	Salt-Bearing Waste Water Back Flush Feed Pump	-	3	20102.00	60306
103	Reach The Standard Water Lift Pump	-	2	20102.00	40204
104	Reach The Standard Water Lift Pump	-	2	16081.50	32163
105	Waste Oil Pump	-	2	4020.50	8041
106	Oil Sludge Scum Pump	-	2	4020.50	8041
107	Waste Oil Pump	-	2	4020.50	8041
108	Oil Sludge Delivery Pump	-	2	4020.50	8041
109	Manual Crane （5mt）（Explosion Proof）	-	3	25127.33	75382
110	Multi-Purpose Removable Hydraulic Elevator 1.5t	-	2	6282.00	12564
111	Soil Discharging Plate Valves Dn600	-	1	20102.00	20102
112	Circulating Cold Water Pump	-	5	147498.00	737490
113	Circulating Cold Water Pump	-	2	91715.00	183430

114	Circulating Cold Water Pump	-	3	147498.00	442494
115	Circulating Cold Water Pump	-	1	91715.00	91715
116	Wastewater Lift Pump	-	2	15076.50	30153
117	Medicine Solution Lift Pump	-	2	2512.50	5025
118	Portable Submerged Dredge Pump	-	1	5025.00	5025
119	Accident Water Lift Pump	-	2	10051.00	20102
120	Waste Oil Pump	-	2	6030.50	12061
121	Water Supply And Drainage Special-Purpose Machine Installation -Oil Header	Set	2	18091.50	36183
122	Oil Sludge Scum /Sludge Thickening Tank	-	4	2336.75	9347
123	Feed Bin	-	1	2337.00	2337
124	Purified Air Tank	-	1	2337.00	2337
125	Non - Purified Air Tank	-	1	2337.00	2337
126	Low Voltage Drawer Switch Cabinet	-	46	14322.63	658841
127	Power Transformer	-	4	22614.75	90459
128	Lighting Cabinet (Drawer Type (Fixed Type)Including Low Voltage Comprehensive Safety)	-	2	15076.50	30153
129	Low Voltage Lead-In Bridge （Dense Bus Duct 2000a ）	M	45	502.56	22615
130	Low Voltage Bus Bar Communication Bridge（Matching Low-Pressure Cabinet 2000a）	Set	4	6281.75	25127
131	Intellectual Lighting Regulation And Control Equipment （80kva）	Set	1	35178.00	35178
132	Ups Power Supply Unit	Set	1	12564.00	12564
133	Ups Power Supply Unit	Set	1	50255.00	50255
134	Emergency Power System Eps 30kw 30min	-	1	62819.00	62819
135	Isolation Transformer 15kva	Set	1	12564.00	12564
136	Terminal Cabinet	-	2	2512.50	5025
137	Electric Surge Protector	-	4	1005.00	4020
138	Low Voltage Computer Management System	Set	1	37691.00	37691
139	Switch Disconnector 10kv 200a	Set	4	125.75	503
140	Inactivity Low Voltage Compensation System 120kva	Set	4	50254.75	201019
141	Waterproof Dustproof Repair Power Cabinet	-	3	2512.67	7538
142	Explosion Proof Repair Power Cabinet	-	2	3015.50	6031
143	Waterproof Dustproof Power Distribution Cabinet	-	1	3769.00	3769
144	Explosion Proofpower Distribution Cabinet	-	2	3769.00	7538
145	Power Distribution Cabinet	-	2	754.00	1508
146	Waterproof Dustproof Operation Column	Set	40	226.15	9046
147	Waterproof Dustproof Operation Column (With Amperemeter)	Set	15	251.27	3769
148	Explosion Proof Operation Column (With Amperemeter)	Set	21	251.29	5277
149	Explosion Proof Operation Column	Set	60	226.15	13569
150	Lighting Distribution Box	-	2	502.50	1005

151	Waterproof Dustproof Lighting Distribution Box	-	1	3015.00	3015
152	Explosion-Proof Light Distribution Box	-	4	3015.25	12061
153	Earthing Detection Well	-	4	502.50	2010
154	Power Transformer	-	2	11307.50	22615
155	Medium Voltage Switch Cabinet	-	31	27640.16	856845
156	Medium Voltage Bus Bar Communication Bridge	Set	2	7538.00	15076
157	Low Voltage Swtich Cabinet	-	14	14322.64	200517
158	Low Voltage Bus Bar Communication Bridge	Set	1	6282.00	6282
159	Medium Voltage Capacitance Compensation Cabinet 10kv 450kvar	-	2	37691.00	75382
160	Intellectual Type Dc Power Supply 65ah Dc 220v	Set	1	35178.00	35178
161	Lighting Cabinet,Drawer Type	-	3	12563.67	37691
162	Intellectual Lighting Controller 40kva	Set	1	25127.00	25127
163	Epspower Supply Unit 15kva 30min	Set	1	28268.00	28268
164	Upspower Supply Unit	Set	1	20102.00	20102
165	Upspower Supply Unit	Set	2	10051.00	20102
166	Isolation Transformer Cabinet	-	1	12564.00	12564
167	Substation Automotion Substation	Set	1	75382.00	75382
168	Five Protection Operation Block System	Set	1	25127.00	25127
169	Low Voltage Computer Management System	Set	1	50255.00	50255
170	Terminal Cabinet	-	1	2513.00	2513
171	Low Current Route Selection Equipment 60 Return Wire	Set	1	503.00	503
172	Electric Surge Protector	-	2	1005.00	2010
173	Power Distribution Cabinet	-	1	754.00	754
174	Waterproof Dustproof Power Distribution Cabinet	-	1	754.00	754
175	Indoor Inspection Switch Box	-	6	125.67	754
176	Level 4 Air Switch Box	-	1	126.00	126
177	Level 4 Air Switch Box	-	9	125.67	1131
178	Dipole Air Switch Box	-	2	125.50	251
179	Explosion Proof Repair Power Cabinet	-	2	3015.50	6031
180	Waterproof And Dustproof Maintenance Power Box	-	1	2513.00	2513
181	Explosion Proof Operation Column (With Amperemeter)	-	6	251.33	1508
182	Explosion Proof Operation Column	-	6	226.17	1357
183	Waterproof Dustproof Operation Column (With Amperemeter)	-	12	251.25	3015
184	Waterproof Dustproof Operation Column	-	35	226.14	7915
185	Lighting Distribution Box	-	5	502.60	2513
186	Waterproof Dustproof Lighting Distribution Box	-	2	502.50	1005
187	Explosion Proofcable Junction Box	-	2	754.00	1508
188	Low Voltage Drawer Switch Cabinet	-	1	14323.00	14323

189	户外explosion Proof Power Distribution Cabinet	-	2	3769.00	7538
190	Explosion Proof Operation Column	-	4	226.25	905
191	Explosion-Proof Light Distribution Box	-	1	3015.00	3015
192	Network Switching Machine (24 Port)	Set	1	6282.00	6282
193	Network Equipment Distribution Cabinet	Set	1	7538.00	7538
194	Speech Sound Distribution Frame	Set	1	2513.00	2513
195	Digital Distribution Frame	Set	1	2513.00	2513
196	Fiber Distribution Frame &Optical Line Terminal Equipment	Set	1	2513.00	2513
197	Press Button Telephone	-	3	50.33	151
198	Wireless Walkie-Talkie (Cluster Type/Explosion Proof Type)	-	4	1256.25	5025
199	Sound Amplification Talkback Branch Control Cabinet	Set	1	12564.00	12564
200	Amplifying Intercom-Table Type Communication Station	Set	1	3015.00	3015
201	Explosion Proof Type Sound Amplification Talkback Station	Set	8	3769.13	30153
202	Explosion Proof Type Outdoor Loudspeaker	-	8	502.50	4020
203	Explosion Proof Type System Cable Junction Box	-	12	1130.75	13569
204	Sound Amplification Talkback Station	Set	6	3015.33	18092
205	Outdoor Loudspeaker	-	6	502.50	3015
206	System Cable Junction Box	-	8	1130.75	9046
207	Fire Alarm Controller	Set	1	20102.00	20102
208	Fire Alarm Region Display Panel	Set	1	5025.00	5025
209	Fire Alarm Module Junction Box	Set	1	1131.00	1131
210	Fire Control Direct Phone	-	1	50.00	50
211	Photoelectric Smoke Detector	Set	46	125.63	5779
212	Electronic Temperature Sensing Probe	Set	4	125.75	503
213	Manual Alarm Button	Set	8	251.25	2010
214	Manual Alarm Button (Outdoor)	Set	17	251.29	4272
215	Explosion Proof Type Manual Alarm Button (Outdoor)	Set	8	251.25	2010
216	Audible And Visual Alarm	Set	8	251.25	2010
217	Module	Set	25	2010.20	50255
218	Module	Set	8	2010.25	16082
219	Cable Junction Box	-	3	753.67	2261
220	Explosion Proof Type Cable Junction Box	-	3	753.67	2261
221	Tv Monitoring Branch Control Cabinet	Set	1	20102.00	20102
222	Video Management Terminal	Set	1	5025.00	5025
223	Globular Video Camera	Set	2	5025.50	10051
224	Power Supply Control Cabinet	Set	3	2010.33	6031
225	Explosion Proof Type - Intergration Color Video Camera	Set	4	10051.00	40204
226	Explosion Proof Type Assembly Box	-	4	1256.25	5025
227	Network Switching Machine 24 Port	Set	1	6282.00	6282
228	Network Equipment Distribution Cabinet	Set	1	7538.00	7538

229	Speech Sound Distribution Frame	Set	1	2513.00	2513
230	Digital Distribution Frame	Set	1	2513.00	2513
231	Fiber Distribution Frame &Optical Line Terminal Equipment	Set	1	2513.00	2513
232	Press Button Telephone	-	5	50.20	251
233	Wireless Walkie-Talkie (Explosion Proof Type)	-	4	1256.25	5025
234	Sound Amplification Talkback Branch Control Cabinet	Set	1	12564.00	12564
235	Amplifying Intercom-Table Type Communication Station	Set	1	3015.00	3015
236	Sound Amplification Talkback Station	Set	9	3015.33	27138
237	Outdoor Loudspeaker	-	9	376.89	3392
238	Outdoor Loudspeaker (With Drive)	-	3	402.00	1206
239	System Cable Junction Box	-	20	753.80	15076
240	Fire Alarm Controller	Set	1	20102.00	20102
241	Fire Alarm Module Junction Box	Set	1	503.00	503
242	Fire Control Direct Phone	-	1	50.00	50
243	Photoelectric Smoke Detector	Set	62	125.65	7790
244	Manual Alarm Button	Set	9	125.67	1131
245	Manual Alarm Button (Outdoor)	Set	15	125.67	1885
246	Audible And Visual Alarm	Set	8	125.63	1005
247	Module	Set	15	1005.07	15076
248	Module	Set	1	1005.00	1005
249	Cable Junction Box （8pair Terminal ）	-	4	502.50	2010
250	Tv Monitoring Branch Control Cabinet	Set	1	20102.00	20102
251	Video Management Terminal	Set	1	5025.00	5025
252	Globular Video Camera	Set	2	3769.00	7538
253	Power Supply Control Cabinet	Set	2	754.00	1508
254	Integrated Color Video Camera	Set	3	3769.00	11307
255	Assembly Box	-	3	1256.33	3769
256	Wireless Walkie-Talkie (Assemblage Type)	-	2	1256.50	2513
257	Manual Alarm Button	Set	6	125.67	754
258	Cable Junction Box 10pair Terminal	-	1	503.00	503
259	Sound Amplification Talkback Station	Set	2	3015.50	6031
260	Outdoor Loudspeaker	-	2	377.00	754
261	System Cable Junction Box	-	3	502.67	1508
262	Integrated Color Video Camera	Set	1	3769.00	3769
263	Assembly Box	-	1	1005.00	1005
264	Integration Temperature Transmitter (E Type)	-	9	1256.33	11307
265	Bimetallic Thermograph （With Flanged Connection Pipe ）	-	16	125.63	2010
266	Ordinary Stainless Steel Pressure Gauge	-	5	55.20	276
267	Vibration Proof Stainless Steel Pressure Gauge	-	60	90.47	5428
268	Vibration Proof Stainless Steel Diaphragm Sealed Manometer	-	4	475.00	1900
269	Annubar Flowmeter Dn100 Ansi150lb Rf	-	3	7035.67	21107

270	Annubar Flowmeter Dn200 Ansi150lb Rf	-	1	7915.00	7915
271	Annubar Flowmeter Dn300 Ansi150lb Rf	-	1	8795.00	8795
272	Annubar Flowmeter Dn400 Ansi150lb Rf	-	1	9674.00	9674
273	Annubar Flowmeter Dn700 Ansi150lb Rf	-	1	12312.00	12312
274	Vortex Shedding Flow Meter 1 1/2″ Carbon Steel Class300	-	1	7475.00	7475
275	Vortex Shedding Flow Meter 3″Carbon Steel Class300	-	1	9611.00	9611
276	Electromagnetic Flowmeter 4″Carbon Steel Class150	-	1	10679.00	10679
277	Electromagnetic Flowmeter 10″Carbon Steel Class150	-	1	14951.00	14951
278	Electromagnetic Flowmeter 12″Carbon Steel Class150	-	2	22614.50	45229
279	Electromagnetic Flowmeter 14″Carbon Steel Class150	-	1	23494.00	23494
280	Electromagnetic Flowmeter 20″Carbon Steel Class150	-	2	24625.00	49250
281	Target Flowmeter 3″Carbon Steel Class150	-	1	12312.00	12312
282	Radar Level Gauge	-	5	6784.40	33922
283	Ultrasonic Level Devices	-	24	6784.42	162826
284	Intellectual Pressure Transmitter	-	1	1382.00	1382
285	Safety Barrier	-	20	150.75	3015
286	Surging Protector	-	265	125.64	33294
287	Relay	-	104	125.63	13066
288	Power Cabinet	-	1	5025.00	5025
289	Safety Barrier Cabinet	-	1	5025.00	5025
290	Surging Protector Cabinet	-	2	5025.50	10051
291	Terminal Barrier Cabinet	-	2	5025.50	10051
292	Auxiliary Control Cabinet	-	1	5025.00	5025
293	System Cabinet	-	1	5025.00	5025
294	Redundant Dc Power Supply	-	2	20102.00	40204
295	Ph Meter	-	9	15830.33	142473
296	Water Oil Analyzer	-	1	70357.00	70357
297	Do Meter	-	6	17589.17	105535
298	Cod Analyzer	-	1	61562.00	61562
299	Nh3-N Analyzer	-	1	61562.00	61562
300	O3 Analyzer	-	1	12312.00	12312
301	Combustible Gas Detector	-	17	1507.65	25630
302	Toxic Gas (H2s)Detector	-	9	1507.67	13569
303	Portable Combustible Gas Detector	-	2	2261.50	4523
304	Portable Toxic Gas Detector	-	2	2261.50	4523
305	Instrument Protection Box	-	10	502.50	5025
306	In-Situ Humiture Meter	-	1	2513.00	2513
307	Temperature Tele- Transmission Alarm	-	1	1256.00	1256
308	Explosion Proof Junction Box	-	2	754.00	1508
309	Analysis Hut	-	2	26384.00	52768
310	Production Safety Inspection System	Set	1	22615.00	22615
311	Integrated Temperature Transmitter	-	5	1256.40	6282

312	Bimetallic Thermograph （With Flanged Connection Pipe ）	-	2	125.50	251
313	Ordinary Stainless Steel Pressure Gauge	-	2	55.50	111
314	Stainless Steel Vibration Proof Pressure Gauge	-	15	90.47	1357
315	Stainless Steel Vibration Proof Vacuum Gauge	-	11	402.00	4422
316	Vortex Shedding Flow Meter Carbon Steel Ansi300lb 1″ Split Type	-	1	6835.00	6835
317	Ultrasonic Flowmeter	-	3	30153.00	90459
318	Electromagnetic Flowmeter Carbon Steel Ansi150lb 8″	-	2	15830.50	31661
319	Electromagnetic Flowmeter Carbon Steel Ansi150lb 10″	-	2	20102.00	40204
320	Electromagnetic Flowmeter Carbon Steel Ansi150lb 12″	-	2	22614.50	45229
321	Electromagnetic Flowmeter Carbon Steel Ansi150lb 14″	-	1	23494.00	23494
322	Ultrasonic Level Devices	-	3	6784.33	20353
323	Intellectual Pressure Transmitter	-	5	1382.00	6910
324	Surging Protector	-	70	125.64	8795
325	Power Cabinet	-	1	5025.00	5025
326	Surging Protector Cabinet	-	1	5025.00	5025
327	Relay	-	38	125.63	4774
328	Auxiliary Control Cabinet	-	1	5025.00	5025
329	Redundant Dc Power Supply	-	1	20102.00	20102
330	Pneumatic Diaphragm Control Valve (Electrification Pneumatic Valve Positioner Along With The Valve) Carbon Steel Ansi150lb 6″	-	1	10051.00	10051
331	Pneumatic Diaphragm Control Valve (Electrification Pneumatic Valve Positioner Along With The Valve) Carbon Steel Ansi150lb 10″	-	1	18092.00	18092
332	Instrument Protection Box	-	6	502.50	3015
333	In-Situ Humiture Meter	-	1	2513.00	2513
334	Temperature Tele- Transmission Alarm	-	1	1256.00	1256
335	Explosion Proof Junction Box	-	2	754.00	1508
336	Stainless Steel Vibration Proof Pressure Gauge	-	2	90.50	181
337	Stainless Steelvibration Proof Diaphgram Sealed Manometer	-	2	475.00	950
338	Ultrasonic Level Devices	-	4	6784.50	27138
339	Surging Protector	-	23	125.65	2890
340	Ph Value Anaysis Instrument	-	2	5628.50	11257
341	Water Oil Analyzer	-	2	56285.50	112571
342	Combustible Gas Transducer	-	3	1507.67	4523
343	Relay	-	8	125.63	1005
344	Toxic Gas (H2s) Transducer	-	2	1507.50	3015
345	Explosion Proof Side-Wall Type Exhaust Fan	-	6	1382.00	8292
346	Side-Wall Type Exhaust Fan	-	4	1130.75	4523
347	Side-Wall Type Exhaust Fan	-	8	1130.75	9046

348	Side-Wall Type Air Supply Fan	-	4	1130.75	4523
349	Air Cooling Constant Temperature And Humidity Air Conditioner Hf13n	-	2	22614.50	45229
350	Wind Cooling Cold Air Type Cabinet Type Air Conditioner	-	5	9297.20	46486
351	Wind Cooling,Cold Warm Cabinet Type Air Conditioner	-	1	3769.00	3769
352	Wind Cooling Cold Air Type Cabinet Type Air Conditioner	-	2	3518.00	7036
353	Air Cooling Cool Warm Hanging Type Air Conditioner	-	2	955.00	1910
354	Side-Wall Type Exhaust Fan	-	12	1130.75	13569
355	Side-Wall Type Exhaust Fan	-	1	1131.00	1131
356	Side-Wall Type Air Supply Fan	-	3	1130.67	3392
357	Air Cooling Constant Temperature And Humidity Type Air Conditioner	-	1	22615.00	22615
358	Wind Cooling Cold Air Type Cabinet Type Air Conditioner	-	6	9548.50	57291
359	Wind Cooling,Cold Warm Cabinet Type Air Conditioner	-	2	3769.00	7538
360	Wind Cooling Cold Air Type Cabinet Type Air Conditioner	-	1	2513.00	2513
361	Wind Cooling,Cold Warm Cabinet Type Air Conditioner	-	1	2010.00	2010
362	Air Cooling Cool Warm Hanging Type Air Conditioner	-	1	1005.00	1005
363	Explosion Proof Side-Wall Type Exhaust Fan	-	6	1382.00	8292
364	Side-Wall Type Exhaust Fan	-	4	1130.75	4523
365	Side-Wall Type Exhaust Fan	-	8	1130.75	9046
366	Side-Wall Type Air Supply Fan	-	4	1130.75	4523
367	Air Cooling Constant Temperature And Humidity Air Conditioner Hf13n	-	2	22614.50	45229
368	Wind Cooling Cold Air Type Cabinet Type Air Conditioner	-	5	9297.20	46486
369	Wind Cooling,Cold Warm Cabinet Type Air Conditioner	-	1	3769.00	3769
370	Wind Cooling Cold Air Type Cabinet Type Air Conditioner	-	2	3518.00	7036
371	Air Cooling Cool Warm Hanging Type Air Conditioner	-	2	955.00	1910
372	Side-Wall Type Exhaust Fan	-	12	1130.75	13569
373	Side-Wall Type Exhaust Fan	-	1	1131.00	1131
374	Side-Wall Type Air Supply Fan	-	3	1130.67	3392
375	Air Cooling Constant Temperature And Humidity Type Air Conditioner	-	1	22615.00	22615
376	Wind Cooling Cold Air Type Cabinet Type Air Conditioner	-	6	9548.50	57291
377	Wind Cooling,Cold Warm Cabinet Type Air Conditioner	-	2	3769.00	7538
378	Wind Cooling Cold Air Type Cabinet Type Air Conditioner	-	1	2513.00	2513
379	Wind Cooling,Cold Warm Cabinet Type Air Conditioner	-	1	2010.00	2010

380	Air Cooling Cool Warm Hanging Type Air Conditioner	-	1	1005.00	1005
381	Outdoor Overground Fire Hydrant	Set	10	1005.10	10051
382	Fire Control Water Cannon	-	1	3015.00	3015
383	Hand-Held Mf8 Dry Powder Extinguisher	Set	40	50.25	2010
384	Small Box For Packing Fire Extinguisher(Packing 2 No)	-	20	37.70	754
385	Wheeled Mft35 Dry Powder Extinguisher	-	5	377.00	1885
386	Eyebath	10set	0.2	15075.00	3015
387	Portable Type Powder Fire Extinguisher (Mt5)	Set	34	50.26	1709
388	Portable Type Carbon Dioxide Fire Extinguisher Box (2 No) Mtx	-	17	37.71	641
389	Whole Mask Positive Pressure Type Air Respirator	Set	4	3015.25	12061
390	Whole Mask Long Tube Type Air Respirator	Set	2	2512.50	5025
391	Hand-Held Mf8 Dry Powder Extinguisher	Set	24	50.25	1206
392	Small Box For Packing Fire Extinguisher(Packing 2 No)	-	12	37.67	452
393	Hand-Held Mt5 Carbon Dioxide Fire Extinguisher	Set	34	50.26	1709
394	Portable Type Carbon Dioxide Fire Extinguisher Cabinet	-	17	37.71	641
395	Whole Mask Positive Pressure Type Air Respirator	Set	2	3015.50	6031
396	Whole Mask Long Tube Type Air Respirator	Set	2	2512.50	5025
397	Fast-Regulating Ground Hydrant	Set	227	1633.28	370755
398	Fire Control Water Cannon	-	40	2512.75	100510
399	Coagulation Precipitation Reaction Equipment	-	1	375906.00	375906
400	Water Flow Agitator	-	6	15076.50	90459
401	Concentrated Tank Mud Scraper Φ 18000mm	-	2	57793.00	115586
402	Mechanical Agitator	-	2	8794.50	17589
403	Dosing-Equipment	Set	1	158303.00	158303
404	Chlorine Dioxide Generator	Set	1	110561.00	110561
405	Sludge Dewatering Device	Set	1	879460.00	879460
406	Electric Knife Gate Valve Dn600	-	2	20102.00	40204
407	B-01ab Backwashing Fan	-	2	75382.50	150765
408	P-01ab Mud Pool Wastewater Lift Pump	-	2	14574.00	29148
409	P-02ab Water Pool Wastewater Lift Pump	-	2	12563.50	25127
410	P-03abc Anti-Flush Feed Pump	-	3	22614.67	67844
411	P-04abcde Production Feed Pump	-	5	55280.40	276402
412	Sump Pump	-	5	1256.40	6282
413	Electric Beam Crane	-	1	10051.00	10051
414	Manual Beam Crane	-	1	7538.00	7538
415	Electric Beam Crane	-	1	12564.00	12564
416	P-101a/B/C Fire Cooling Water Pump	-	3	61059.67	183179
417	P-101d/E/F Fire Cooling Water Pump	-	2	101766.00	203532
418	P-102a/B Foam Fire Feed Pump	-	2	46812.50	93625
419	P-102c/D Foam Fire Pump	-	2	79377.50	158755

420	P-103a/B Fire Pump	-	2	25127.50	50255
421	Electric Crane Beam	-	1	15076.00	15076
422	10kwswitch Disconnector	Set	2	125.50	251
423	Whole Sealing Oil-Immersed Type Transformer	-	2	20102.00	40204
424	Low Voltage Swtich Cabinet	-	24	13820.08	331682
425	Reactive Power Compensation Cabinet	-	2	20102.00	40204
426	Lighting Cabinet	Set	1	12564.00	12564
427	Lighting Voltage Regulation Device	-	1	25127.00	25127
428	Substation Automation System	Set	1	37691.00	37691
429	Ups 10kva	Set	2	25127.50	50255
430	Low Voltage Bus Line Bridge	Set	2	5025.50	10051
431	Air-Blower Power Distribution Cabinet	-	1	1256.00	1256
432	Repair Switch Cabinet	-	1	1256.00	1256
433	Repair Switch Cabinet	-	6	1256.33	7538
434	Air-Blower Power Distribution Cabinet	-	4	1256.25	5025
435	Explosion Proof Operation Column	-	65	251.28	16333
436	Lighting Distribution Box	-	1	3015.00	3015
437	Waterproof Dustproof Corrosion Protection Lighting Distribution Box	-	4	3015.25	12061
438	Inspection Power Distribution Cabinet	-	1	1256.00	1256
439	Power Distribution Cabinet	-	1	1256.00	1256
440	Waterproof Operation Column	-	15	251.27	3769
441	Waterproof Operation Column	-	7	276.43	1935
442	Lighting Distribution Box	-	1	1256.00	1256
443	Phone Junction Box	Set	2	125.50	251
444	Press Button Telephone	-	7	50.29	352
445	Network Switching Machine 24 Port	Set	1	7538.00	7538
446	Network Equipment &Comprehensive Wiring Cabinet	Set	1	7538.00	7538
447	Speech Sound Distribution Frame 60	Set	1	2513.00	2513
448	Digital Distribution Frame 6 Type 24 Port	Set	1	2513.00	2513
449	Fiber Distribution Frame &Optical Line Terminal Equipment	Set	1	2513.00	2513
450	Information Socket	Set	4	50.25	201
451	Tv Monitoring Branch Control Cabinet	Set	1	20102.00	20102
452	Video Supervisory System	Set	1	5025.00	5025
453	Power Supply Control Cabinet	Set	2	1005.00	2010
454	Globular Video Camera	-	8	6281.88	50255
455	Globular Video Camera	-	2	2512.50	5025
456	Manual Alarm Button	Set	14	125.64	1759
457	Audible And Visual Alarm	Set	12	201.00	2412
458	Cable Junction Box	Set	5	753.80	3769
459	Fire Alarm Controller	Set	1	20102.00	20102
460	Photoelectric Smoke Detector	Set	9	125.67	1131
461	Intelligent Temperature Sensing Probe	Set	2	125.50	251
462	Audible And Visual Alarm	Set	3	201.00	603
463	Manual Alarm Button	Set	3	251.33	754
464	Signal Module	Set	3	2010.33	6031
465	Fire Control Direct Phone	-	1	75.00	75
466	Phone Junction Box	Set	1	126.00	126
467	Press Button Telephone	-	2	50.50	101
468	Power Supply Control Cabinet	Set	1	1005.00	1005

469	Globular Video Camera	-	2	2512.50	5025
470	Manual Alarm Button	Set	2	125.50	251
471	Audible And Visual Alarm	Set	2	201.00	402
472	Cable Junction Box	Set	15	753.80	11307
473	Fire Control Direct Phone	-	1	75.00	75
474	Integration Of Temperature Change Device	-	3	2135.67	6407
475	Stainless Steel Vibration Proof Pressure Gauge	-	45	150.76	6784
476	Electromagnetic Flowmeter 1″ Ansi 150lb Rf	-	5	10051.00	50255
477	Electromagnetic Flowmeter 2″ Ansi 150lb Rf	-	1	11307.00	11307
478	Electromagnetic Flowmeter 4″ Ansi 150lb Rf	-	1	12564.00	12564
479	Electromagnetic Flowmeter 6″ Ansi 150lb Rf	-	3	13820.00	41460
480	Electromagnetic Flowmeter 16″ Ansi 150lb Rf	-	1	17589.00	17589
481	Electromagnetic Flowmeter 18″ Ansi 150lb Rf	-	2	20102.00	40204
482	Electromagnetic Flowmeter 20″ Ansi 150lb Rf	-	2	22614.50	45229
483	Electromagnetic Flowmeter 24″ Ansi 150lb Rf	-	1	25127.00	25127
484	Vortex Shedding Flow Meter 12″ Ansi 150lb Rf	-	1	17589.00	17589
485	Ultrasonic Level Devices	-	26	7538.23	195994
486	Intellectual Pressure Transmitter	-	11	2010.18	22112
487	Intellectual Differential Pressure Transmitter	-	4	2261.50	9046
488	Pneumatic Control Butterfly Valve 14″ Ansi 150lb Rf	-	4	25127.50	100510
489	Pneumatic Switch Valve 2″ Ansi 150lb Rf	-	4	12563.75	50255
490	Pneumatic Switch Butterfly Valve 12″ Ansi 150lb Rf	-	4	17589.25	70357
491	Pneumatic Switch Butterfly Valve 16″ Ansi 150lb Rf	-	4	22614.75	90459
492	Pneumatic Switch Butterfly Valve 20″ Ansi 150lb Rf	-	4	27640.25	110561
493	Motor-Operated Switch Butterfly Valve 8″ Ansi 150lb Rf	-	32	25127.44	804078
494	Motor-Operated Switch Butterfly Valve 10″ Ansi 150lb Rf	-	5	30153.00	150765
495	Motor-Operated Switch Butterfly Valve 12″ Ansi 150lb Rf	-	3	32665.67	97997
496	Motor-Operated Switch Butterfly Valve 18″ Ansi 150lb Rf	-	3	40204.00	120612
497	Motor-Operated Switch Butterfly Valve 20″ Ansi 150lb Rf	-	2	45229.50	90459
498	Turbidimetric Analysis Instrument	-	8	62818.63	502549
499	Ph Value Anaysis Instrument	-	2	7538.00	15076
500	Residual Chlorine (Cl)Analyser	-	1	80408.00	80408

501	Concentration Analyser	-	2	62818.50	125637
502	Surging Protector	-	550	125.64	69100
503	Stainless Steel Pressure Gauge	-	19	100.53	1910
504	Stainless Steel Vibration Proof Pressure Gauge	-	13	150.77	1960
505	Ultrasonic Level Devices	-	2	7538.00	15076
506	Intellectual Pressure Transmitter	-	3	2010.33	6031
507	Surging Protector	-	45	125.64	5654
508	Side-Wall Type Exhaust Fan	-	18	1130.72	20353
509	Side-Wall Type Exhaust Fan	-	3	1256.33	3769
510	Wind Cooling Cabinet Type Air Conditioner Lf 21n Type	-	2	17086.50	34173
511	Wind Cooling Cabinet Type Air Conditioner Lf14ntype	-	2	11558.50	23117
512	Wind Cooling Cabinet Type Air Conditioner Kfr-72lw/C Type	-	2	3643.50	7287
513	Wind Cooling Cabinet Type Air Conditioner Kfr-61lw/Btype	-	1	3141.00	3141
514	On-Wall Air Conditioner Kfr-35gw/Gtype	-	1	1043.00	1043
515	Side-Wall Type Exhaust Fan	-	9	1256.33	11307
516	Wind Cooling Cabinet Type Air Conditioner Kfr-72lw/Ctype	-	1	3643.00	3643
517	Spray Eyebath	10set	0.1	15080.00	1508
518	Hand-Held Mf8 Dry Powder Extinguisher	Set	50	50.26	2513
519	Small Box For Packing Fire Extinguisher(Packing 2 No)	-	25	37.68	942
520	Hand-Held Mf8 Dry Powder Extinguisher	Set	8	50.25	402
521	Small Box For Packing Fire Extinguisher(Packing 2 No)	-	4	37.75	151
	Total				31629990
14.Heat Supply Project					
1	Positive Double Layer Double Cubicle Flotation Bed	-	3	172941.67	518825
2	Negative Double Layer Double Cubicle Flotation Bed	-	3	248837.00	746511
3	High Efficiency Fibre Filter	-	3	68430.33	205291
4	Active Carbon Filter	-	4	88337.25	353349
5	Alkaline Metering Tank	-	1	6221.00	6221
6	Acid High Level Tank Horizontal	-	1	24884.00	24884
7	Alkaline High Level Tank Horizontal	-	1	24884.00	24884
8	Acid Mist Absorber Dn500	-	1	3110.00	3110
9	Remove Co2 Apparatus &Water Tank	-	3	68430.33	205291
10	Unload Acid Buffer Tank	-	1	5184.00	5184
11	Acid Metering Tank	-	1	6221.00	6221
12	Positive Bed Purging Column Dn3000	-	1	39814.00	39814
13	Negative Bed Purging Column Dn3000	-	1	39814.00	39814
14	Purified Air Tank	-	1	17004.00	17004
15	Positive Bed Resin Catcher Dn200	-	3	7257.67	21773
16	Negative Bed Resin Catcher Dn200	-	3	7257.67	21773
17	Mixed-Bed Resin Catcher Dn200	-	2	7257.50	14515
18	Active Carbon Catcher Dn200	-	4	7257.75	29031
19	Grade 1 Hclpipeline Mixer Dn150	-	1	3110.00	3110
20	Grade 2 Hclpipeline Mixer Dn100	-	1	3110.00	3110

21	Grade 1naohpipeline Mixer Dn150	-	1	3110.00	3110
22	Grade 2 Naohpipeline Mixer Dn100	-	1	3110.00	3110
23	Ammonifying Unit 2-Tank 2-Type Pump Type	-	1	50804.00	50804
24	Supporting Instrument Control System	Set	1	746511.00	746511
25	Control Cable&Instrument Slot Box	Set	1	311461.00	311461
26	Control Valve (Include Some Manual Valve)	Set	1	331783.00	331783
27	Fresh Water Heat Exchanger &Control System	Set	1	62209.00	62209
28	Devaporation Water Tank	-	1	8709.00	8709
29	Steam Heater	-	2	21785.50	43571
30	Hot Water Air Cooler	-	14	47947.36	671263
31	Horizontal Straight Through Dirt Separator Dn500	-	1	5184.00	5184
32	Horizontal Straight Through Dirt Separator Dn500	-	1	5184.00	5184
33	Compressed Air Tank	-	1	39814.00	39814
34	Horizontal Straight Through Dirt Separator Dn500	-	1	5184.00	5184
35	Expansion Tank	-	1	9953.00	9953
36	Circulating Water Heat Exchanger	-	2	18663.00	37326
37	Circulating Water Heat Exchanger	-	2	18663.00	37326
38	Steam Condenser	-	1	21773.00	21773
39	Surface Condensate Filter	-	2	252984.50	505969
40	Precise Filter	-	2	259205.50	518411
41	Active Carbon Filter	-	2	103060.00	206120
42	Composite Ion Exchanger	-	2	94558.00	189116
43	Active Carbon Catcher Dn150	-	2	8294.50	16589
44	Mixed-Bed Resin Catcher Dn200	-	2	8294.50	16589
45	De-Mineralized Water Heat Exchanger	-	2	93314.00	186628
46	Supporting Instrument Control System	Set	1	426133.00	426133
47	Control Cable&Instrument Slot Box	Set	1	249252.00	249252
48	Control Valve (Include Some Manual Valve)	Set	1	259205.00	259205
49	Raw Water Pump	-	3	17626.00	52878
50	Intermediate Water Pump	-	3	17626.00	52878
51	De-Mineralized Water Pump	-	3	13478.67	40436
52	Regenerative Pump	-	3	11405.00	34215
53	Unload Acid Pump	-	2	7257.50	14515
54	Waste Water Pump	-	2	9331.50	18663
55	Backwash Water Pump	-	2	13478.50	26957
56	Grade 1 Hclmetering Pump	-	2	45620.00	91240
57	Grade 2 Hclmetering Pump	-	2	45620.00	91240
58	Grade 1 Naohmetering Pump	-	2	45620.00	91240
59	Grade 2 Naohmetering Pump	-	2	45620.00	91240
60	Backwash Water Pump	-	2	13478.50	26957
61	Remove Co2 Apparatus Air-Blower	-	3	9331.33	27994
62	Hot Water Circulating Pump	-	4	25920.50	103682
63	Hot Water Circulating Pump	-	4	21773.25	87093
64	Hot Water Type Lithium Bromide Absorption Refrigerator	-	5	377402.80	1887014
65	Cold Water Pump	-	5	17626.00	88130
66	Condensate Pump	-	2	17626.00	35252

67	Condensed Water Circulating Pump	-	2	11405.00	22810
68	Low Voltage Drawer Switch Cabinet	-	12	11819.75	141837
69	Outdoor Repair Power Distribution Cabinet	-	2	622.00	1244
70	Waterproof Dustproof Operation Column (With Amperemeter)	-	6	207.33	1244
71	Waterproof Dustproof Operation Column	-	27	186.63	5039
72	Low Voltage Drawer Switch Cabinet	-	14	11819.79	165477
73	Outdoor Repair Power Distribution Cabinet	-	2	622.00	1244
74	Waterproof Dustproof Operation Column (With Amperemeter)	-	8	207.38	1659
75	Waterproof Dustproof Operation Column	-	18	186.61	3359
76	Lighting Distribution Box	-	2	414.50	829
77	Low Voltage Drawer Switch Cabinet	-	5	11819.80	59099
78	Outdoor Repair Power Distribution Cabinet	-	1	622.00	622
79	Waterproof Dustproof Operation Column (With Amperemeter)	-	5	207.40	1037
80	Waterproof Dustproof Operation Column	-	5	186.60	933
81	Lighting Distribution Box	-	1	415.00	415
82	Low Voltage Drawer Switch Cabinet	-	2	11820.00	23640
83	Outdoor Repair Power Distribution Cabinet	-	1	622.00	622
84	Waterproof Dustproof Operation Column (With Amperemeter)	-	2	207.50	415
85	Waterproof Dustproof Operation Column	-	2	186.50	373
86	Lighting Distribution Box	-	1	415.00	415
87	Wireless Walkie-Talkie (Assembly Type Explosion Proof Type)	-	2	1037.00	2074
88	Manual Alarm Button	Set	3	103.67	311
89	Cable Junction Box (6 Pair Terminal)	-	1	415.00	415
90	Sound Amplification Talkback Station	Set	4	2488.25	9953
91	Outdoor Loudspeaker	-	4	311.00	1244
92	Outdoor Loudspeaker (With Drive)	-	1	332.00	332
93	System Cable Junction Box	-	6	414.67	2488
94	Wireless Walkie-Talkie (Assembly Type Explosion Proof Type)	-	2	1037.00	2074
95	Manual Alarm Button	Set	4	103.75	415
96	Cable Junction Box (6 Pair Terminal)	-	1	622.00	622
97	Sound Amplification Talkback Station	Set	1	4147.00	4147
98	Outdoor Loudspeaker (With Drive)	-	1	332.00	332
99	System Cable Junction Box	-	5	414.80	2074
100	Wireless Walkie-Talkie (Assembly Type Explosion Proof Type)	-	2	1037.00	2074
101	Sound Amplification Talkback Station	Set	2	2488.50	4977
102	Outdoor Loudspeaker	-	2	311.00	622
103	Outdoor Loudspeaker (With Drive)	-	1	332.00	332
104	System Cable Junction Box	-	4	414.75	1659
105	Wireless Walkie-Talkie (Assembly Type Explosion Proof Type)	-	2	1037.00	2074
106	Sound Amplification Talkback Station	Set	1	2488.00	2488
107	Outdoor Loudspeaker (With Drive)	-	1	332.00	332
108	System Cable Junction Box	-	5	414.80	2074

109	Thermal Resistance	-	2	207.50	415
110	Stainless Steel Pressure Gauge	-	3	45.67	137
111	Shock Resistant Pressure Gauge	-	20	74.65	1493
112	Concentric Orifice Carbon Steel Ansi300 Dn200	-	3	1343.67	4031
113	Concentric Orifice Carbon Steel Ansi300 Dn150	-	5	1007.80	5039
114	Intellectual Vortex Shedding Flow Meter Dn250	-	1	14267.00	14267
115	Intellectual Vortex Shedding Flow Meter Dn200	-	1	12338.00	12338
116	Intellectual Vortex Shedding Flow Meter Dn150	-	2	11457.00	22914
117	Intellectual Vortex Shedding Flow Meter Dn80	-	1	8398.00	8398
118	Intellectual Vortex Shedding Flow Meter Dn50	-	1	7092.00	7092
119	Electromagnetic Flowmeter Dn300	-	1	18663.00	18663
120	Electromagnetic Flowmeter Dn250	-	1	16589.00	16589
121	Magnetic Float Level Meter	-	6	4147.33	24884
122	Double Flange Differential Pressure Transmitter	-	2	2488.50	4977
123	Single Flange Differential Pressure Transmitter	-	2	2073.50	4147
124	Ultrasonic Level Devices	-	1	5599.00	5599
125	Ph Analyser	-	11	6635.64	72992
126	Residual Chlorine Analysis Instrument	-	1	9124.00	9124
127	Conductance Sensor	-	5	6303.80	31519
128	Intellectual Pressure Transmitter	-	11	1140.55	12546
129	Intellectual Differential Pressure Transmitter	-	17	1347.88	22914
130	Pneumatic Straight Through Control Valve Dn80	-	1	2654.00	2654
131	Pneumatic Straight Through Control Valve Dn100	-	1	4147.00	4147
132	Pneumatic Straight Through Control Valve Dn150	-	1	8295.00	8295
133	Junction Box	-	1	622.00	622
134	Tcinput Safety Barrier (With Transducer)	-	2	124.50	249
135	Ai (4～20ma) Input Safety Barrier	-	54	124.43	6719
136	Ao (4～20ma) Output Safety Barrier	-	6	124.50	747
137	Mvsurging Protector	-	2	103.50	207
138	4-20masurging Protector	-	54	103.69	5599
139	24v Dcsurging Protector	-	2	103.50	207
140	Bimetallic Thermograph Joint Flange: 300lb 1-1/2″Rf	-	25	103.68	2592
141	Stainless Steel Pressure Gauge Accuracy : Level 1.5 316ss	-	9	45.67	411
142	Vibration Proof Stainless Steel Pressure Gauge	-	10	74.70	747
143	Class300 Concentric Orifice	Set	1	1680.00	1680
144	Vortex Shedding Flow Meter	-	1	7092.00	7092

145	Ultrasonic Flowmeter (Pipe Flange Type)	-	1	24884.00	24884
146	Transparent Type Glass Plate Liquid Level Gauge	-	1	622.00	622
147	Outer Buoy Liquid Level Gauge	-	1	4666.00	4666
148	Intellectual Integration Temperature Transmitter	-	6	1036.83	6221
149	Intellectual Pressure Transmitter	-	3	1140.67	3422
150	Intellectual Differential Pressure Transmitter	-	1	1348.00	1348
151	4-20masurging Protector (Two-Wire System)	-	20	103.70	2074
152	24v Dcsurging Protector	-	1	104.00	104
153	Relay	-	25	103.68	2592
154	Electric /Air Valve Localizer	-	4	1244.25	4977
155	Pneumatic Film Straight Through Control Valve Ansi 300lb 2″Rf(Carbon Steel)	-	1	1161.00	1161
156	Pneumatic Film Straight Through Control Valve Ansi 300lb 4″ Rf(Carbon Steel)	-	1	4147.00	4147
157	High Performance Butterfly Valve Ansi 150lb 16″Rf(Carbon Steel)	-	2	14930.00	29860
158	Junction Box	-	1	622.00	622
159	Bimetallic Thermograph	-	10	103.70	1037
160	Stainless Steel Pressure Gauge	-	27	45.63	1232
161	Vibration Proof Stainless Steel Pressure Gauge	-	5	74.60	373
162	Throttling Set Class300 Concentric Orifice Dn80 (Carbon Steel)	Set	1	672.00	672
163	Throttling Set Class300 Concentric Orifice Dn150 (Carbon Steel)	Set	5	1007.80	5039
164	Throttling Set Class300 Concentric Orifice Dn250 (Carbon Steel)	Set	5	1511.60	7558
165	Ultrasonic Flowmeter (Pipe Flange Type)Ansi150lb 20″Rf	-	1	33178.00	33178
166	Ultrasonic Flowmeter (Pipe Flange Type)Ansi150lb 32″Rf	-	1	49767.00	49767
167	Intellectual Integration Temperature Transmitter	-	11	1036.82	11405
168	Intellectual Pressure Transmitter	-	6	1140.50	6843
169	Intellectual Differential Pressure Transmitter	-	11	1347.91	14827
170	4-20masurging Protector (Two-Wire System)	-	39	103.69	4044
171	24v Dcsurging Protector	-	2	103.50	207
172	Electric /Air Valve Localizer	-	11	1244.18	13686
173	In-Situ Humiture Meter	-	1	2074.00	2074
174	Temperature Tele- Transmission Alarm	-	1	1037.00	1037
175	Pneumatic Film Straight Through Control Valve Ansi 300lb 2″Rf(Carbon Steel)	-	1	1161.00	1161

176	Pneumatic Film Straight Through Control Valve Ansi 300lb 6″ Rf(Carbon Steel)	-	5	8294.60	41473
177	Pneumatic Film Straight Through Control Valve Ansi 300lb 10″ Rf(Carbon Steel)	-	5	16589.20	82946
178	Junction Box	-	1	622.00	622
179	Integration Temperature Transmitter (E Type)	-	15	1036.80	15552
180	Bimetallic Thermograph （With Flanged Connection Pipe ）	-	13	103.69	1348
181	Ordinary Stainless Steel Pressure Gauge	-	16	45.63	730
182	Vibration Proof Stainless Steel Pressure Gauge	-	4	74.75	299
183	Flange Pressure Orifice Plate Carbon Steel Class300dn150	Set	3	1244.33	3733
184	Flange Pressure Orifice Plate Carbon Steel Class300dn200	Set	9	1343.67	12093
185	Flange Pressure Orifice Plate Carbon Steel Class300dn250	Set	1	1512.00	1512
186	Ultrasonic Flowmeter Pipeline Type Carbon Steel Class15018″	-	1	29860.00	29860
187	Glass Plate Liquid Level Gauge	-	6	622.17	3733
188	Intellectual Pressure Transmitter	-	12	1140.50	13686
189	Intellectual Differential Pressure Transmitter	-	13	1347.85	17522
190	Intellectual Double Flange Differential Pressure Liquid Level Transmitter	-	9	2488.33	22395
191	Intellectual Single Flange Differential Pressure Liquid Level Transmitter	-	1	2074.00	2074
192	Surging Protector	-	67	103.69	6947
193	Relay	-	150	103.68	15552
194	Analyser For Oil Content In Water	Set	2	66356.50	132713
195	In-Line Analyzer Of Iron Content In Water	-	2	26542.50	53085
196	Electric Conductivity In-Line Analyzer	-	2	6304.00	12608
197	Sio2 In-Line Analyzer	-	2	39814.00	79628
198	Pneumatic Diaphragm Control Valve Carbon Steel Class300dn50	-	1	1161.00	1161
199	Pneumatic Diaphragm Control Valve Carbon Steel Class300dn80	-	1	2654.00	2654
200	Pneumatic Diaphragm Control Valve Carbon Steel Class300dn200	-	4	9953.50	39814
201	Pneumatic Diaphragm Control Valve Carbon Steel Class300dn250	-	2	16589.00	33178
202	Air Cylinder Gate Valve Carbon Steel Class300dn150	-	4	11197.75	44791
203	Instrument Protection Box	-	1	415.00	415
204	Junction Box	-	2	622.00	1244

205	Portable Type Mf 8 Powder Fire Extinguisher	Set	48	41.48	1991
206	Powder Fire Extinguisher Box (2 No)	-	24	31.13	747
207	Portable Type Mf 8 Powder Fire Extinguisher	Set	66	41.47	2737
208	Powder Fire Extinguisher Box (2 No)	-	33	31.09	1026
209	Portable Type Mf 8 Powder Fire Extinguisher	Set	36	41.47	1493
210	Powder Fire Extinguisher Box (2 No)	-	18	31.11	560
211	Portable Type Mf 8 Powder Fire Extinguisher	Set	48	41.48	1991
212	Powder Fire Extinguisher Box (2 No)	-	24	31.13	747
213	Surplus Heat Regeneration Air Drying Unit	-	5	130639.40	653197
214	Aftercooler	-	2	53914.50	107829
215	Self-Cleaning Type Air Filter	-	4	31104.75	124419
216	Self-Cleaning Type Air Filter	-	3	20736.33	62209
217	10kvmetal Armour Switch Cabinet	-	9	22810.11	205291
218	380 V Distribution Equipment Including Integrated Protection Apparatus Andcommunication Management System	-	11	12441.82	136860
219	Upspower Supply Unit	Set	1	53915.00	53915
220	Waterproof Dustproof Corrosion Protection Repair Work Power Box	-	3	3110.33	9331
221	Power Distribution Cabinet	-	1	1037.00	1037
222	Waterproof Dustproof Corrosion Protection Operation Column	-	33	207.36	6843
223	Waterproof Dustproof Corrosion Protection Junction Box	-	2	166.00	332
224	Waterproof Dustproof Corrosion Protection Lighting Distribution Box	-	6	2073.67	12442
225	Explosion Proof Wireless Walkie-Talkie	Set	4	1036.75	4147
226	Outdoor Sound Amplification Talkback Station	Set	4	5184.00	20736
227	Outdoor Loudspeaker 25w	-	4	103.75	415
228	All-Weather Colored Integration Video Camera (Including Color Video Camera,Variable Lens,Decoder,Power-Driven Cradle Head,Stand Etc)	Set	2	5184.00	10368
229	Integrated Control Cabinet	Set	2	1244.00	2488
230	Bimetallic Thermograph	-	19	165.89	3152
231	Stainless Steel Pressure Gauge	-	15	82.93	1244
232	Electromagnetic Flowmeter 18″ Ansi150lb Rf	-	1	41473.00	41473
233	Vortex Shedding Flow Meter Ansi150lb Rf Pipeline Type 10″	-	2	14515.50	29031
234	Vortex Shedding Flow Meter Ansi150lb Rf Pipeline Type 12″	-	2	16589.00	33178
235	Intellectual Pressure Transmitter	-	4	1244.25	4977
236	Pneumatic Straight Through Control Valve Ansi300lb Rf Valve Body Material Quality: Cast Steel Dn250	-	1	16589.00	16589

237	Junction Box Stainless Steel	-	1	622.00	622
238	Cable Sealing Device	-	1	20736.00	20736
239	V-102 Nitrogen Gas Buffer Tank, Level 2	-	1	118612.00	118612
240	Liquid Nitrogen Storage Tank	-	2	829457.00	1658914
241	Pressured Vacuum Liquid Nitrogen Storage Tank	-	1	228101.00	228101
242	Air Bathe Type Carburettor	-	3	51841.00	155523
243	Air Bathe Type Carburettor	-	2	82945.50	165891
244	Air Bathe Type Carburettor	-	2	31104.50	62209
245	Deep Cooling,Nitrogen Generatioon Equipment	Set	1	1555232.00	1555232
246	K101ab Reciprocating Type Nitrogen Compressor	-	2	93314.00	186628
247	K102 Reciprocating Type Nitrogen Compressor	-	1	539147.00	539147
248	Liquid Nitrogen Pump	-	3	47693.67	143081
249	Liquid Nitrogen Pump	-	2	165891.50	331783
250	Liquid Nitrogen Pump	-	1	107829.00	107829
251	Single-Beam Electric Crane 10t	-	1	18663.00	18663
252	10kvmetal Armour Switch Cabinet	-	1	22810.00	22810
253	Supporting Distribution Equipment Installation - Switch Cabinet &Bus Bar (Bridge)-10 (6) Kv Switch Cabinet	-	8	12441.88	99535
254	Upspower Supply Unit	Set	1	53915.00	53915
255	Waterproof Dustproof Corrosion Protection Repair Work Power Box	-	4	3110.50	12442
256	Power Distribution Cabinet	-	2	1037.00	2074
257	Waterproof Dustproof Corrosion Protection Operation Column	-	7	207.43	1452
258	Waterproof Dustproof Corrosion Protection Junction Box	-	2	166.00	332
259	Waterproof Dustproof Corrosion Protection Lighting Distribution Box	-	6	2073.67	12442
260	Explosion Proof Wireless Walkie-Talkie With Charger	Set	4	1036.75	4147
261	Manual Alarm Button	Set	12	62.25	747
262	Encoding Interface Module	Set	2	1037.00	2074
263	Outdoor Sound Amplification Talkback Station	Set	3	5184.00	15552
264	Outdoor Loudspeaker 25w	-	3	103.67	311
265	All-Weather Colored Integration Video Camera	Set	4	5184.00	20736
266	Integrated Control Cabinet	Set	4	1244.25	4977
267	Stainless Steel Pressure Gauge	-	5	83.00	415
268	Stainless Steel Vibration Proof Pressure Gauge	-	6	207.33	1244
269	Electromagnetic Flowmeter Dn150 Ansi150lb Rf	-	1	14515.00	14515
270	Vortex Shedding Flow Meter Ansi150lb Rf Pipeline Type Dn200	-	1	16589.00	16589
271	Vortex Shedding Flow Meter Ansi300lb Rf Pipeline Type Dn80	-	1	16589.00	16589

272	Vortex Shedding Flow Meter Ansi600lb Rf Pipeline Type Dn50	-	1	16589.00	16589
273	Vortex Shedding Flow Meter Ansi600lb Rf Pipeline Type Dn80	-	1	20736.00	20736
274	Intellectual Pressure Transmitter	-	16	1244.19	19907
275	Pneumatic Straight Through Control Valve Ansi600lb Rj Valve Body Material Quality: Stainless Steeldn40	-	2	4976.50	9953
276	Junction Box Stainless Steel	-	4	622.00	2488
277	Dispersing Control System Dcs	Set	1	17190.00	17190
278	Boiler	-	4	2634980.25	10539921
279	Air-Blower	Set	4	454215.25	1816861
280	Boiler Other Auxiliary Machinery	Set	1	110894.00	110894
281	25mwsteam Turbine Main Body	Set	4	2694243.25	10776973
282	30mwgenerator	Set	4	888944.75	3555779
283	Auxiliary Equipment Forsteam Turbine Generator	Set	4		1692356
284	Oxygen Removal Feedwater Unit,Oxygen Remover &Feed Pump	Set	4		1692475
285	Steam Turbine Other Auxiliary Machinery &Platform Stair 50t	Set	4	224979.50	899918
286	Heater Water Dosing &Sampling System Equipment	Set	2	327040.50	654081
287	Electric Reactor	Set	6	148452.33	890714
288	High Voltage Switch Cabinet	Set	23	24862.52	571838
289	Unit Control Room Equipment &Static State Excitation System	Set	2	441200.00	882400
290	Other Control Equipment	Set	2	23892.00	47784
291	Direct-Current System Equipment	Set	2	126458.50	252917
292	High Voltage Switchgear	Set	2	1166093.00	2332186
293	Low-Voltage Distribution Equipment	Set	66	9581.92	632407
294	Low Voltage Station-Service Transformer	-	9	43743.89	393695
295	Workshop Electrical Equipment	-	50	647.40	32370
296	Accident Emergency Power Supply	Set	2	662813.50	1325627
297	Ups Power Supply Unit	Set	2	53950.00	107900
298	Equipment &Structures Lighting	Set	418	44.25	18497
299	Machine, Heater, Electrical Motor Group Control System Dispersing Control System	Set	4000	148.45	593809
300	Individual Automatic Control Device	Set	41	724.15	29690
301	Local Instrumentation &Actuator	-	1564	654.44	1023539
302	Heating Power Distribution Box	Set	16	4624.31	73989
303	Entire Factory Industrial Television Supervisory System	Set	85	1541.42	131021
304	Chemical Laboratory Equipment	Set	1	96494.00	96494
305	Metal Laboratory Equipment			#DIV/0!	89071
306	Heat Engineering Laboratory Equipment	Set	1	89071.00	89071
307	Electrical Laboratory Equipment	Set	1	89071.00	89071
308	Environmental Monitoring &Labor Safety Laboratory Equipment	-	1	89071.00	89071
309	Industrial Water Supply And Drainage System Facility	-	2	1187.50	2375
310	Desulfurization Project	-	1	6754579.00	6754579

311	Heating And Ventilating Eauipment	-	1	57154.00	57154
312	Fire-Fighting Equipment	-	1	270480.00	270480
	Total				67703840
15.PowerSupply &Distribution,Telecommunications					
1	Power Transformer	-	48	35591.04	1708370
2	Medium Voltage Switch Cabinet	-	156	21750.08	3393013
3	Medium Voltage Reactive Compensation Cabinet	-	24	15818.25	379638
4	Low Voltage Swtich Cabinet	-	120	11270.50	1352460
5	Lighting Cabinet,Drawer Type	-	24	10875.04	261001
6	Low Voltage Lead-In Bridge	M	600	1384.10	830458
7	Low Voltage Bus Bar Communication Bridge	Set	48	4943.21	237274
8	Intellectual Lighting Regulation And Control Equipment 50kva	Set	24	6920.50	166092
9	Intellectual Type Dc Power Supply 65ah Double Redundant Structure	Set	12	49432.00	593184
10	Ups Equipment	Set	12	15818.25	189819
11	Emergency Power System	-	12	59318.42	711821
12	Restart Cabinet 80 Point	Set	24	29659.21	711821
13	Substation Automotion Substation	Set	12	59318.42	711821
14	Five Protection Operation Block System	Set	12	29659.17	355910
15	Terminal Cabinet	-	12	1977.25	23727
16	Low Voltage Computer Management System	Set	12	29659.17	355910
17	Low Current Route Selection Equipment 80 Return Wire	Set	12	29659.17	355910
18	Electric Surge Protector Ptx160-3y201	-	84	4943.20	415229
19	Power Distribution Cabinet	-	24	593.17	14236
20	Hanging Type Cabinet Switch	-	36	98.86	3559
21	Hanging Type Cabinet Switch	-	12	98.83	1186
22	Repair Switch Cabinet	-	24	593.17	14236
23	Lighting Distribution Box 8 Circuit	-	24	395.46	9491
24	Low Voltage Drawer Switch Cabinet	-	48	11270.50	540984
25	Power Transformer	-	24	35591.04	854185
26	Lighting Cabinet	-	36	10875.06	391502
27	Low Voltage Lead-In Bridge	M	300	1384.10	415229
28	Low Voltage Bus Bar Communication Bridge	Set	24	4943.21	118637
29	Intellectual Lighting Regulation And Control Equipment 50kva	Set	24	6920.50	166092
30	Ups Power Supply Unit	Set	12	7909.08	94909
31	Emergency Power System	-	12	79091.25	949095
32	Low Voltage Reactive Power Compensation Equipment 150kvar	-	24	17795.54	427093
33	Restart Cabinet 80 Point	Set	12	29659.17	355910
34	Terminal Cabinet 100 Point	-	12	35591.08	427093
35	Switch Disconnector 10kv 200a	Set	24	2471.58	59318
36	Electric Surge Protector	-	24	4943.21	118637
37	Low Voltage Computer Management System	Set	12	29659.17	355910
38	Power Distribution Cabinet	-	24	593.17	14236

39	Repair Work Power Supply Cabinet Switch 380v,63a	-	48	593.19	28473
40	Hanging Type Cabinet Switch	-	48	98.85	4745
41	Lighting Distribution Box	-	24	395.46	9491
42	Press Button Telephone	-	24	39.54	949
43	Wireless Walkie-Talkie Explosion Proof Type	-	24	3559.13	85419
44	Fire Alarm Region Display Panel	Set	12	3954.58	47455
45	Fire Alarm Cable Junction Box	Set	12		7118
46	Photoelectric Smoke Detector	Set	336		33218
47	Photoelectric Temperature Sensing Probe	Set	48	98.85	4745
48	Manual Alarm Button	Set	48	98.85	4745
49	Audible And Visual Alarm	Set	48	98.85	4745
50	Globe Type Video Recording Instrument	Set	24	3954.54	94909
51	Power Supply Control Cabinet	Set	24	593.17	14236
52	Press Button Telephone	-	12	39.58	475
53	Wireless Walkie-Talkie Explosion Proof Type	-	24	3559.13	85419
54	Fire Alarm Region Display Panel	Set	12	3954.58	47455
55	Fire Alarm Cable Junction Box	Set	12	395.42	4745
56	Photoelectric Smoke Detector	Set	228	98.86	22541
57	Photoelectric Temperature Sensing Probe	Set	24	98.88	2373
58	Manual Alarm Button	Set	48	98.85	4745
59	Audible And Visual Alarm	Set	48	98.85	4745
60	Globe Type Video Recording Instrument	Set	24	3954.54	94909
61	Power Supply Control Cabinet	Set	24	593.17	14236
62	Side-Wall Type Exhaust Fan	-	132	889.77	117450
63	Side-Wall Type Air Supply Fan	-	48	889.77	42709
64	Wind Cooling Pipeline Type Air Conditioner	-	36	24716.00	889776
65	Wind Cooling,Cold Warm Cabinet Type Air Conditioner	-	12	1581.83	18982
66	Side-Wall Type Exhaust Fan	-	48	889.77	42709
67	Side-Wall Type Exhaust Fan	-	36	889.78	32032
68	Side-Wall Type Air Supply Fan	-	36	889.78	32032
69	Wind Cooling Cold Air Type Cabinet Type Air Conditioner	-	48	6920.48	332183
70	Portable Type Carbon Dioxide Fire Extinguisher Mt5	Set	408	39.55	16135
71	Portable Type Carbon Dioxide Fire Extinguisher Box (2 No)	-	204	29.66	6050
72	Portable Type Carbon Dioxide Fire Extinguisher Mt5	Set	240	39.55	9491
73	Portable Type Carbon Dioxide Fire Extinguisher Box (2 No)	-	120	29.66	3559
74	Explosion Proof Type System Cable Junction Box	-	300	533.33	160000
	Total				20409995
16.Auxiliary Facilities					
1	Portable Foam Charging Pump	-	2	4744.00	9488
2	Explosion Proof Battery Fork Lift Truck Specification :2.5mt	-	12	47438.67	569264

3	Forklift Tray	-	900	75.90	68312
4	Medium Voltage Switch Cabinet	-	2	20873.00	41746
5	Switch Disconnector 10kv 80a	-	2	1897.50	3795
6	Dry Type Power Transformer	-	2	18975.50	37951
7	Low Voltage Drawer Switch Cabinet	-	14	10816.00	151424
8	Medium Voltage Reactive Compensation Cabinet 100kvar	-	2	10436.50	20873
9	Low Voltage Bus Bar Communication Bridge	Set	2	4744.00	9488
10	Ups Power Supply Unit	Set	1	7590.00	7590
11	Emergency Power System	-	1	18975.00	18975
12	Power Distribution Cabinet	-	55	569.25	31309
13	Combined Type Socket Cabinet	-	40	569.28	22771
14	Explosion Proof Socket Cabinet	-	3	948.67	2846
15	Assembly Circuit Breaker Box	-	4	569.25	2277
16	Switch Cabinet	-	3	95.00	285
17	Lighting Distribution Box	-	5	379.60	1898
18	Low Voltage Drawer Switch Cabinet	-	1	10816.00	10816
19	Ups Power Supply	-	1	53131.00	53131
20	Medium Voltage Switch Cabinet	-	2	20873.00	41746
21	Switch Disconnector 10kv 100a	-	2	95.00	190
22	Dry Type Power Transformer	-	2	24668.00	49336
23	Low Voltage Drawer Switch Cabinet	-	14	10816.00	151424
24	Medium Voltage Reactive Compensation Cabinet	-	2	10436.50	20873
25	Low Voltage Bus Bar Communication Bridge	Set	2	4744.00	9488
26	Intellectual Lighting Regulation And Control Equipment 80kva	Set	1	7590.00	7590
27	Ups Power Supply Unit	Set	4	91082.25	364329
28	Ups Power Supply Unit	Set	1	15180.00	15180
29	Emergency Power System	-	1	15180.00	15180
30	Isolation Transformer 15kva	-	1	9488.00	9488
31	Electric Surge Protector	-	2	4744.00	9488
32	Power Distribution Cabinet	-	10	569.30	5693
33	Inspection Switch 380v 63a	-	2	95.00	190
34	Assembly Circuit Breaker Box	-	9	1897.56	17078
35	Lighting Distribution Box	-	9	379.56	3416
36	Low Voltage Swtich Cabinet	-	4	10816.00	43264
37	Ups Power Supply Unit	Set	2	60721.50	121443
38	Ups Power Supply Unit	Set	1	7590.00	7590
39	Isolation Transformer Cabinet	-	1	9488.00	9488
40	Push-Button Control Cabinet	-	4	379.50	1518
41	Visualbly Installed Circuit Breaker Box	-	2	1897.50	3795
42	Lighting Distribution Box	Set	2	379.50	759
43	Low Voltage Swtich Cabinet	-	4	10816.00	43264
44	Ups Power Supply Unit	Set	2	75902.00	151804
45	Ups Power Supply Unit	Set	1	7590.00	7590
46	Isolation Transformer Cabinet	-	1	9488.00	9488
47	Push-Button Control Cabinet	-	4	379.50	1518
48	Visualbly Installed Circuit Breaker Box	-	2	1897.50	3795
49	Lighting Distribution Box	Set	2	379.50	759

50	Low Voltage Swtich Cabinet	-	4	10816.00	43264
51	Ups Power Supply Unit 60kva,30min	Set	2	85389.50	170779
52	Ups Power Supply Unit 5kva,30min	Set	1	7590.00	7590
53	Isolation Transformer Cabinet	-	1	9488.00	9488
54	Push-Button Control Cabinet	-	5	379.60	1898
55	Visualbly Installed Circuit Breaker Box	-	2	1897.50	3795
56	Lighting Distribution Box	Set	2	379.50	759
57	Low Voltage Swtich Cabinet	-	4	10816.00	43264
58	Ups Power Supply Unit 20kva,30min	Set	2	30360.50	60721
59	Ups Power Supply Unit 5kva,30min	Set	1	7590.00	7590
60	Isolation Transformer Cabinet	-	1	9488.00	9488
61	Push-Button Control Cabinet	-	4	379.50	1518
62	Visualbly Installed Circuit Breaker Box	-	2	1897.50	3795
63	Lighting Distribution Box	Set	2	379.50	759
64	Low Voltage Swtich Cabinet	-	3	10816.00	32448
65	Ups Power Supply Unit 30kva,30min	Set	2	53131.50	106263
66	Ups Power Supply Unit 5kva,30min	Set	1	7590.00	7590
67	Isolation Transformer Cabinet	-	1	9488.00	9488
68	Push-Button Control Cabinet Mep1-0	-	4	379.50	1518
69	Visualbly Installed Circuit Breaker Box	-	2	1897.50	3795
70	Lighting Distribution Box	Set	2	379.50	759
71	Low Voltage Drawer Switch Cabinet	-	4	10816.00	43264
72	Ups Power Supply Unit	-	2	7590.00	15180
73	Epspower Supply Unit 5kva 30min	-	2	5692.50	11385
74	Power Distribution Cabinet	-	18	569.28	10247
75	Waterproof Dustproof Operation Column	-	2	171.00	342
76	Explosion Proof Circuit Breaker Diict4	-	10	569.30	5693
77	Visualbly Installed Circuit Breaker Box	-	2	1897.50	3795
78	Lighting Distribution Box	-	10	379.50	3795
79	Low Voltage Drawer Switch Cabinet	-	18	10816.00	194688
80	Explosion Proof Power Distribution Cabinet	-	24	2277.04	54649
81	Power Distribution Cabinet	-	12	569.25	6831
82	Ups Power Supply Unit	-	6	6641.33	39848
83	Explosion-Proof Light Distribution Box	-	24	2277.04	54649
84	Network Switching Machine 24 Port	Set	23	4743.87	109109
85	Network Equipment Cabinet	Set	4	5692.75	22771
86	Network Distribution Cabinet	Set	2	5692.50	11385
87	Speech Sound Distribution Frame	Set	1	1898.00	1898
88	Speech Sound Distribution Frame	Set	1	1898.00	1898
89	Digital Distribution Frame	Set	1	1898.00	1898
90	Digital Distribution Frame	Set	1	1898.00	1898
91	Fiber Distribution Frame &Optical Line Terminal Equipment	Set	2	1897.50	3795
92	Press Button Telephone Double Audio Frequency	-	35	37.94	1328
93	Intelligent Card Supervisory System Branch Controller	Set	1	7590.00	7590

94	Checking-In Card Reader	Set	4	474.50	1898
95	Wireless Walkie-Talkie (Assemblage Type)	-	2	949.00	1898
96	Semi Globular Video Camera	Set	2	2846.50	5693
97	Globular Video Camera	Set	1	2846.00	2846
98	Power Supply Control Cabinet	Set	3	569.33	1708
99	Optical Fiber Terminal System Matching	Set	3	948.67	2846
100	Power Supply Unit System Matching	Set	3	948.67	2846
101	Fire Alarm Controller	Set	1	15180.00	15180
102	Fire Control Direct Phone	-	1	38.00	38
103	Fire Alarm Module Junction Box	Set	1	380.00	380
104	Photoelectric Smoke Detector	Set	100	94.88	9488
105	Explosion Proof Type Photoelectric Smoke Detector	Set	20	189.75	3795
106	Manual Alarm Button	Set	8	94.88	759
107	Audible And Visual Alarm	Set	8	94.88	759
108	Encoding Module	Set	30	759.03	22771
109	Erpsystem Implementation	Set	1	500952.00	500952
110	Sino-Pec Material Procurement E-Business Implementation	Set	1	18975.00	18975
111	Sap&Mes Interface	Set	1	18975.00	18975
112	Bcssystem Implementation	Set	1	66414.00	66414
113	Refining Product Sales Analysis	Set	1	26566.00	26566
114	Chemical Product Analysis	Set	1	26566.00	26566
115	Implementation Management Fee (Include Pc)	-	1	569264.00	569264
116	Production Dispatch Directing	Set	1	379509.00	379509
117	Production Plan &Optimization	Set	1	379509.00	379509
118	Production Dispatch &Optimization	Set	1	379509.00	379509
119	Operation Management	Set	1	569264.00	569264
120	Basic Mes Management	Set	1	1480085.00	1480085
121	Hardware Expenses	Set	1	37951.00	37951
122	Software Cost	Set	1	239091.00	239091
123	Hardware Expenses	Set	1	24668.00	24668
124	Information Resource Collection,Column Category,Integrated Design	Set	1	11385.00	11385
125	Two-Stage Enterprise Portal Page Design Development	Set	1	18975.00	18975
126	Consumer,Jurisdiction Binding &Management	Set	1	18975.00	18975
127	Single-Point Log On Integration	Set	1	26566.00	26566
128	Data Application System Integration	Set	1	18975.00	18975
129	Public Document Management	Set	1	75902.00	75902
130	Individual Affair Management	Set	1	18975.00	18975
131	Office Resource Management	Set	1	37951.00	37951
132	Administrative Affairs Management	Set	1	56926.00	56926
133	Electronic File Application	Set	1	189755.00	189755
134	Equipment Room Renovation System Engineering	-	1	199242.00	199242
135	Equipment Room Power Distribution &Lighting System Project	-	1	208730.00	208730

136	Equipment Room Earthing Lightning Protection Project	-	1	37951.00	37951
137	Equipment Room Air Conditioning Fresh Air System Engineering	-	1	18975.00	18975
138	Equipment Room Inner Comprehensive Wiring System	-	1	94877.00	94877
139	Equipment Room Environmental Monitoring System Engineering	-	1	66414.00	66414
140	Equipment Room Fire Control Automatic Alarm &Gas Fire Extinguishing System	-	1	66414.00	66414
141	Precision Air Conditioning	Set	4	47438.75	189755
142	Ups Equipment	Set	2	132828.00	265656
143	Server Cabinet, Network Cabinet	Batch	1	66414.00	66414
144	Kvm	Set	1	113853.00	113853
145	Central Exchanger	-	2	170779.00	341558
146	Convergence Exchanger	-	4	75901.75	303607
147	Complex Access Exchanger	-	15	15180.33	227705
148	Laboratory Building Access Exchanger	-	2	15180.50	30361
149	Central Control Room Access Exchanger	-	6	15180.33	91082
150	Fire Station &Standby Access Exchanger	-	2	15180.50	30361
151	Equipment Zone Access Exchanger	-	25	5692.64	142316
152	Wireless Controller	-	1	37951.00	37951
153	Ap	-	20	853.90	17078
154	Ssl Vpn	-	2	56926.50	113853
155	Network System	-	1	151804.00	151804
156	Internet Fire Wall	-	2	17078.00	34156
157	Server Zone Fire Wall	-	2	34156.00	68312
158	Ids/Ips	-	1	91082.00	91082
159	High-End Pc Server	-	10	15180.40	151804
160	Mid - End Pc Server	-	30	5692.63	170779
161	Low End Pc Server	-	7	3795.14	26566
162	San Network Switching Machine	-	2	28463.00	56926
163	Disk Arrays	-	1	94877.00	94877
164	Tape Pool	-	1	37951.00	37951
165	Backup Software	Set	2	37951.00	75902
166	Oracle Data Bank /Sqldata Bank	Set	1	284632.00	284632
167	Windows 2008 Enterprise Edition	Set	15	3795.07	56926
168	Cabinet	Set	5	3795.00	18975
169	Assembly System Dispatching Desk	Set	1	34156.00	34156
170	Control Terminal Pc Including 22inch	-	1	1898.00	1898
171	Signal Channel Machine	-	10	22770.50	227705
172	Aerial Iron Tower	座	1	37951.00	37951
173	Wireless Walkie-Talkie (Assemblage Type)	-	2	949.00	1898
174	Administration Telephone Exchange	Set	1	341558.00	341558
175	Digital Dispatcher Telephone Exchanger	Set	1	56926.00	56926
176	Management Terminal	Set	2	1897.50	3795
177	Dc Power Supply	Set	1	37951.00	37951
178	Speech Sound Distribution Frame	Set	1	18975.00	18975
179	Test Instrument	Set	1	18975.00	18975
180	Network Switching Machine 24 Port	Set	7	4269.43	29886
181	Dispatching Master Station	Set	1	22771.00	22771

182	Dispatching Telephone Subset	Set	1	38.00	38
183	Network Equipment Cabinet	Set	1	5123.00	5123
184	Network Distribution Cabinet	Set	1	5123.00	5123
185	Speech Sound Distribution Frame	Set	1	1708.00	1708
186	Digital Distribution Frame	Set	1	1708.00	1708
187	Fiber Distribution Frame &Optical Line Terminal Equipment	Set	1	1708.00	1708
188	Dispatching Telephone Subset	Set	1	38.00	38
189	Press Button Telephone	-	60	37.95	2277
190	Intelligent Card Supervisory Equipment Cabinet	Set	1	8539.00	8539
191	Intelligent Card Supervisory System Master Controller	Set	1	5123.00	5123
192	Intelligent Card Supervisory System Server	Set	1	3416.00	3416
193	Electronic Patrol System	Set	1	5123.00	5123
194	Checking-In Card Reader	Set	3	854.00	2562
195	Peripheral Equipment	Set	1	1708.00	1708
196	Wireless Walkie-Talkie	-	15	3415.60	51234
197	Wireless Communications System Cabinet	Set	1	17078.00	17078
198	Straight Play Station	Set	1	110058.00	110058
199	Sound Amplification Talkback Master Cabinet	Set	1	66414.00	66414
200	Table Type Communication Station	Set	13	2049.38	26642
201	Desktop Main Control Communication Station	Set	2	13662.50	27325
202	Tv Monitoring Main Control Cabinet	Set	1	280837.00	280837
203	Video Management Terminal	Set	19	3415.58	64896
204	Semi Globular Video Camera	Set	7	2561.71	17932
205	Globular Video Camera	Set	2	2561.50	5123
206	Power Supply Control Cabinet	Set	9	512.33	4611
207	Fire Alarm Controller	Set	1	13662.00	13662
208	Fire Alarm Subsidiary Operation Panel/Linkage Panel	Set	1	22771.00	22771
209	Management Terminal	Set	1	17078.00	17078
210	Lcd (52 Inch)	Set	2	3415.50	6831
211	Printer Laser Configuration Spool Paper	Set	1	854.00	854
212	Fire Control Direct Phone	-	1	38.00	38
213	Photoelectric Smoke Detector	Set	125	94.88	11860
214	Manual Alarm Button	Set	11	94.91	1044
215	Audible And Visual Alarm	Set	11	94.91	1044
216	Encoding Module	Set	10	379.50	3795
217	Network Switching Machine 24 Port	Set	1	4744.00	4744
218	Network Equipment &Comprehensive Wiring Cabinet	Set	1	5693.00	5693
219	Speech Sound Distribution Frame	Set	1	1898.00	1898
220	Digital Distribution Frame	Set	1	1898.00	1898
221	Fiber Distribution Frame &Optical Line Terminal Equipment	Set	1	190.00	190
222	Press Button Telephone	-	5	38.00	190
223	Wireless Walkie-Talkie Explosion Proof Type	-	2	3415.50	6831

224	Vehicle Station	Set	1	5693.00	5693
225	Sound Amplification Talkback Branch Control Cabinet	Set	1	9488.00	9488
226	Sound Amplification Talkback Station	Set	1	2277.00	2277
227	Fire Alarm Controller	Set	1	15180.00	15180
228	Module Terminal Cabinet	Set	1	569.00	569
229	Fire Control Telephone Junction Box	Set	1	380.00	380
230	Fire Control Direct Phone	-	1	380.00	380
231	Photoelectric Smoke Detector	Set	17	94.88	1613
232	Audible And Visual Alarm	Set	2	95.00	190
233	Manual Alarm Button	Set	2	95.00	190
234	Encoding Module	Set	30	759.03	22771
235	Encoding Module	Set	2	759.00	1518
236	Tv Monitoring Branch Control Cabinet	Set	1	15180.00	15180
237	Video Supervisory System	Set	1	3795.00	3795
238	Globular Video Camera	Set	2	2846.50	5693
239	Semi Globular Video Camera	Set	2	2846.50	5693
240	Network Switching Machine 24 Port	Set	1	4744.00	4744
241	Network Equipment &Comprehensive Wiring Cabinet	Set	1	5693.00	5693
242	Speech Sound Distribution Frame	Set	1	1898.00	1898
243	Digital Distribution Frame	Set	1	1898.00	1898
244	Fiber Distribution Frame &Optical Line Terminal Equipment	Set	1	190.00	190
245	Press Button Telephone	-	5	38.00	190
246	Wireless Walkie-Talkie Explosion Proof Type	-	2	3415.50	6831
247	Vehicle Station	Set	1	5693.00	5693
248	Sound Amplification Talkback Branch Control Cabinet	Set	1	9488.00	9488
249	Sound Amplification Talkback Station	Set	1	2277.00	2277
250	Fire Alarm Controller	Set	1	15180.00	15180
251	Module Terminal Cabinet	Set	1	569.00	569
252	Fire Control Telephone Junction Box	Set	1	380.00	380
253	Fire Control Direct Phone	-	1	380.00	380
254	Photoelectric Smoke Detector	Set	18	94.89	1708
255	Audible And Visual Alarm	Set	2	95.00	190
256	Manual Alarm Button	Set	2	95.00	190
257	Encoding Module	Set	50	759.02	37951
258	Encoding Module	Set	2	759.00	1518
259	Tv Monitoring Branch Control Cabinet	Set	1	15180.00	15180
260	Video Supervisory System	Set	1	3795.00	3795
261	Globular Video Camera	Set	2	2846.50	5693
262	Semi Globular Video Camera	Set	2	2846.50	5693
263	Network Switching Machine 24 Port	Set	1	4744.00	4744
264	Network Equipment &Comprehensive Wiring Cabinet	Set	1	5693.00	5693
265	Speech Sound Distribution Frame	Set	1	1898.00	1898
266	Digital Distribution Frame	Set	1	1898.00	1898
267	Fiber Distribution Frame &Optical Line Terminal Equipment	Set	1	190.00	190
268	Press Button Telephone	-	5	38.00	190
269	Wireless Walkie-Talkie Explosion Proof Type	-	2	3415.50	6831

270	Vehicle Station	Set	1	5693.00	5693
271	Sound Amplification Talkback Branch Control Cabinet	Set	1	9488.00	9488
272	Sound Amplification Talkback Station	Set	1	2277.00	2277
273	Fire Alarm Controller	Set	1	15180.00	15180
274	Module Terminal Cabinet	Set	1	569.00	569
275	Fire Control Telephone Junction Box	Set	1	380.00	380
276	Fire Control Direct Phone	-	1	380.00	380
277	Photoelectric Smoke Detector	Set	24	94.88	2277
278	Audible And Visual Alarm	Set	2	95.00	190
279	Manual Alarm Button	Set	2	95.00	190
280	Encoding Module	Set	50	759.02	37951
281	Encoding Module	Set	2	759.00	1518
282	Tv Monitoring Branch Control Cabinet	Set	1	15180.00	15180
283	Video Supervisory System	Set	1	3795.00	3795
284	Globular Video Camera	Set	2	2846.50	5693
285	Semi Globular Video Camera	Set	2	2846.50	5693
286	Network Switching Machine 24 Port	Set	1	4744.00	4744
287	Network Equipment &Comprehensive Wiring Cabinet	Set	1	5693.00	5693
288	Speech Sound Distribution Frame	Set	1	1898.00	1898
289	Digital Distribution Frame	Set	1	1898.00	1898
290	Fiber Distribution Frame &Optical Line Terminal Equipment	Set	1	190.00	190
291	Press Button Telephone	-	5	38.00	190
292	Wireless Walkie-Talkie Explosion Proof Type	-	2	3415.50	6831
293	Vehicle Station	Set	1	5693.00	5693
294	Sound Amplification Talkback Branch Control Cabinet	Set	1	9488.00	9488
295	Sound Amplification Talkback Station Built-In Loudspeaker	Set	1	2277.00	2277
296	Fire Alarm Controller	Set	1	15180.00	15180
297	Module Terminal Cabinet	Set	1	569.00	569
298	Fire Control Telephone Junction Box	Set	1	380.00	380
299	Fire Control Direct Phone	-	1	380.00	380
300	Photoelectric Smoke Detector	Set	14	94.86	1328
301	Audible And Visual Alarm	Set	2	95.00	190
302	Manual Alarm Button	Set	2	95.00	190
303	Encoding Module	Set	50	759.02	37951
304	Encoding Module	Set	2	759.00	1518
305	Tv Monitoring Branch Control Cabinet	Set	1	15180.00	15180
306	Video Supervisory System	Set	1	3795.00	3795
307	Globular Video Camera	Set	1	2846.00	2846
308	Semi Globular Video Camera	Set	2	2846.50	5693
309	Network Switching Machine 24 Port	Set	1	4744.00	4744
310	Network Equipment &Comprehensive Wiring Cabinet	Set	1	5693.00	5693
311	Speech Sound Distribution Frame	Set	1	1898.00	1898
312	Digital Distribution Frame	Set	1	1898.00	1898
313	Fiber Distribution Frame &Optical Line Terminal Equipment	Set	1	190.00	190
314	Press Button Telephone	-	5	38.00	190

315	Wireless Walkie-Talkie Explosion Proof Type	-	2	3415.50	6831
316	Vehicle Station	Set	1	5693.00	5693
317	Sound Amplification Talkback Branch Control Cabinet	Set	1	9488.00	9488
318	Sound Amplification Talkback Station	Set	1	2277.00	2277
319	Fire Alarm Controller	Set	1	15180.00	15180
320	Fire Control Linkage Equipment	Set	1	56926.00	56926
321	Fire Control Telephone Junction Box	Set	1	380.00	380
322	Fire Control Direct Phone	-	1	380.00	380
323	Photoelectric Smoke Detector	Set	19	94.89	1803
324	Audible And Visual Alarm	Set	2	95.00	190
325	Manual Alarm Button	Set	2	95.00	190
326	Encoding Module	Set	50	759.02	37951
327	Encoding Module	Set	2	759.00	1518
328	Tv Monitoring Branch Control Cabinet	Set	1	15180.00	15180
329	Video Supervisory System	Set	1	3795.00	3795
330	Globular Video Camera	Set	1	2846.00	2846
331	Semi Globular Video Camera	Set	2	2846.50	5693
332	Network Switching Machine （48port）	Set	4	6641.50	26566
333	Network Equipment Distribution Cabinet	Set	2	5692.50	11385
334	Speech Sound Distribution Frame	Set	2	1897.50	3795
335	Digital Distribution Frame	Set	2	1897.50	3795
336	Fiber Distribution Frame &Optical Line Terminal Equipment	Set	2	1897.50	3795
337	Press Button Telephone	-	80	37.95	3036
338	Recording Telephone Set	-	4	38.00	152
339	Wireless Walkie-Talkie (Explosion Proof Type)	-	8	3415.63	27325
340	Sound Amplification Talkback Master Station	Set	2	3795.00	7590
341	System Cable Junction Box	-	2	379.50	759
342	Fire Alarm Controller	Set	2	15180.50	30361
343	Fire Alarm Linkage Control Panel	Set	2	2846.50	5693
344	Fire Alarm Graphic Display Equipment	Set	2	5692.50	11385
345	Emergency Broadcasting Equipment	Set	2	3795.00	7590
346	Top Suction Type Loudspeaker	Set	62	379.52	23530
347	Fire Control Direct Phone Switchboard	Set	2	474.50	949
348	Photoelectric Smoke Detector	Set	116	94.88	11006
349	Temperature Sensing Probe	Set	72	94.88	6831
350	Manual Alarm Button	Set	16	94.88	1518
351	Audible And Visual Alarm	Set	16	94.88	1518
352	Police Lamp	Set	4	189.75	759
353	Emergency Bell	Set	14	189.79	2657
354	Module	Set	18	759.00	13662
355	Module	Set	2	759.00	1518
356	Tv Monitoring Branch Control Cabinet	Set	2	15180.50	30361
357	Video Management Terminal	Set	2	3795.00	7590
358	Globular Video Camera	-	10	2846.30	28463
359	Power Supply Control Cabinet	Set	10	569.30	5693
360	Lcd (42 Inch)	Set	2	1518.00	3036
361	Network Switching Machine 24 Port	Set	6	4743.83	28463

362	Network Equipment Distribution Cabinet	Set	6	5692.67	34156
363	Speech Sound Distribution Frame	Set	6	1897.50	11385
364	Digital Distribution Frame	Set	6	1897.50	11385
365	Fiber Distribution Frame &Optical Line Terminal Equipment	Set	6	1897.50	11385
366	Press Button Telephone Double Audio Frequency	-	12	37.92	455
367	Explosion Proof Press Button Telephone Double Audio Frequency	-	24	94.88	2277
368	Wireless Walkie-Talkie (Assemblage Type)	-	12	948.75	11385
369	Fire Alarm Controller	Set	6	15180.33	91082
370	Fire Alarm Module Junction Box	Set	6	379.50	2277
371	Fire Control Direct Phone	-	6	38.00	228
372	Photoelectric Smoke Detector	Set	48	94.88	4554
373	Audible And Visual Alarm	Set	12	94.92	1139
374	Manual Alarm Button	Set	12	94.92	1139
375	Manual Alarm Button (Outdoor Type)	Set	120	94.88	11385
376	Explosion Proof Type Manual Alarm Button Diibt4	Set	60	94.88	5693
377	Explosion Proof Type Audible And Visual Alarm Diibt4	Set	90	94.88	8539
378	Infrared Beam Probe Diibt4	Pair	48	189.75	9108
379	Cable Junction Box 10pair Terminal	-	24	379.50	9108
380	Explosion Proof Type Cable Junction Box 10pair Terminal	-	12	569.25	6831
381	Module	Set	60	759.02	45541
382	Tv Monitoring Branch Control Cabinet	Set	6	15180.33	91082
383	Video Management Terminal	Set	6	3795.17	22771
384	Globular Video Camera	Set	30	2846.33	85390
385	Power Supply Control Cabinet	Set	30	569.27	17078
386	Explosion Proof Integrated Color Video Camera	Set	30	2846.33	85390
387	Explosion Proof Assembly Box	-	30	948.77	28463
388	Perimeter Alarm System Controller	Set	6	9487.67	56926
389	Maintenance Terminal	Set	6	5692.67	34156
390	Single Beam Laser Receiving Sender	Set	60	379.52	22771
391	Combustible Gas Detection Transmitter	-	10	1138.50	11385
392	Toxic Gas Detection Transmitter	-	6	1138.50	6831
393	Multichannel Gas Indication Alarm Apparatus	-	2	7590.00	15180
394	24vdc Dc Power Supply	-	2	15180.50	30361
395	Combustible Gas Detection Transmitter	-	3	1138.67	3416
396	Toxic Gas Detection Transmitter	-	3	1138.67	3416
397	In-Situ Humiture Meter	-	1	1898.00	1898
398	Temperature Tele- Transmission Alarm	-	1	949.00	949
399	Combustible Gas Detector	-	2	1138.50	2277
400	Toxic Gas (H2s)Detector	-	2	1138.50	2277
401	In-Situ Humiture Meter	-	1	1898.00	1898
402	Temperature Tele- Transmission Alarm	-	1	949.00	949
403	Combustible Gas Detector	-	2	1138.50	2277
404	Toxic Gas (H2s)Detector	-	2	1138.50	2277
405	In-Situ Humiture Meter	-	1	1898.00	1898

406	Temperature Tele- Transmission Alarm	-	1	949.00	949
407	Combustible Gas Detector	-	2	1138.50	2277
408	Toxic Gas (H2s)Detector	-	2	1138.50	2277
409	In-Situ Humiture Meter	-	1	1898.00	1898
410	Temperature Tele- Transmission Alarm	-	1	949.00	949
411	Combustible Gas Detector	-	2	1138.50	2277
412	Toxic Gas (H2s)Detector	-	2	1138.50	2277
413	In-Situ Humiture Meter	-	1	1898.00	1898
414	Temperature Tele- Transmission Alarm	-	1	949.00	949
415	Combustible Gas Detector	-	2	1138.50	2277
416	Toxic Gas (H2s)Detector	-	2	1138.50	2277
417	In-Situ Humiture Meter	-	1	1898.00	1898
418	Temperature Tele- Transmission Alarm	-	1	949.00	949
419	Combustible Gas Detection Transmitter	-	78	1138.53	88805
420	Toxic Gas Detection Transmitter	-	36	1138.53	40987
421	Multichannel Gas Indication Alarm Apparatus	-	12	9487.75	113853
422	24vdcdc Power Supply	-	12	15180.33	182164
423	Ordinary Spring Pressure Gage	-	4	57.00	228
424	Explosion Proof Side-Wall Type Exhaust Fan	-	8	569.25	4554
425	Side-Wall Type Exhaust Fan	-	2	759.00	1518
426	Change Air Quantity Venturi Valve Φ 250	-	6	3036.00	18216
427	Explosion Proof Type Change Air Quantity Air-Blower Box	-	1	2562.00	2562
428	Explosion Proof Type Change Air Quantity Air-Blower Box	-	1	1537.00	1537
429	Ventilated Chamber Door Sensor &Operating System	-	6	1328.33	7970
430	Change Air Quantity New Air Machine Set Kcwx20	-	4	22770.50	91082
431	Wall Type Exhaust Fan	-	4	189.75	759
432	Venturi Change Air Quantity Air Valve	-	90	3036.08	273247
433	Venturi Bistable State Air Valve	-	22	2656.55	58444
434	Venturi Stable Air Quantity Air Valve	-	11	2466.82	27135
435	Sound Deafening Supply Air Box	-	2	5692.50	11385
436	Room Air Quantity Control System	-	31	3415.58	105883
437	Ventilated Chamber Door Sensor &Operating System	-	73	1328.29	96965
438	Wx Type Microperforated Panel Muffler	-	2	1518.00	3036
439	Fire Control Control Valve Fh-Fvd2型	-	2	759.00	1518
440	Air Pipe Butterfly Valve 200x200	-	70	132.83	9298
441	Air Diffuser B2 Hf Type	-	100	113.85	11385
442	Overhaul Door	-	2	95.00	190
443	Change Air Quantity Air-Blower Box	-	1	1195.00	1195
444	Change Air Quantity Air-Blower Box	-	1	1366.00	1366
445	Change Air Quantity Air-Blower Box	-	15	1366.20	20493
446	Change Air Quantity Air-Blower Box	-	1	1195.00	1195
447	Change Air Quantity Air-Blower Box	-	3	1707.67	5123
448	Change Air Quantity Air-Blower Box	-	2	1024.50	2049
449	Explosion Proof Type Change Air Quantity Air-Blower Box	-	1	2049.00	2049
450	Change Air Quantity Air-Blower Box	-	2	1708.00	3416

451	Change Air Quantity Air-Blower Box	-	1	1708.00	1708
452	Change Air Quantity Air-Blower Box	-	1	1025.00	1025
453	Change Air Quantity Air-Blower Box	-	1	683.00	683
454	Suspended Ceiling (Clip Type)Fan Coil Fp-85k4	-	1	664.00	664
455	Suspended Ceiling (Clip Type)Fan Coil Fp-85k4	-	7	948.71	6641
456	Air Cooling Type Cabinet Type Air Conditioner Kfr-120lw	-	2	1518.00	3036
457	Air Cooling Constant Temperature And Humidity Air Conditioner Hf-13n Type	-	2	15180.50	30361
458	Fire Control Control Valve Fh-Fvd2 Type	-	2	227.50	455
459	Air Cooling Hanging Type Air Conditioner Kf-50gw	-	1	569.00	569
460	Suspended Ceiling (Clip Type)Fan Coil Fp-85k4	-	94	664.14	62429
461	Four Sides Supply Air Air Diffuser 400 X 400	-	3	114.00	342
462	Single-Layer Louver Return Air Port 400 X 400	-	3	114.00	342
463	Overhaul Door 200x200	-	2	95.00	190
464	Wx Type Microperforated Panel Muffler	-	1	1518.00	1518
465	Low Noise Centrifugal Air-Blower Box	-	2	2087.50	4175
466	Low Noise Centrifugal Air-Blower Box	-	2	1138.50	2277
467	Low Noise Centrifugal Air-Blower Box	-	2	1138.50	2277
468	Ac-01 Double Cold Source Air Cooling Constant Temperature And Humidity Type	-	2	70209.00	140418
469	Wx Type Microperforated Panel Muffler	-	3	1707.67	5123
470	Impedance Combined Type Muffler	-	6	948.83	5693
471	Ac-01 Double Cold Source Air Cooling Constant Temperature And Humidity Type	-	2	56926.50	113853
472	Wx Type Microperforated Panel Muffler	-	2	1328.50	2657
473	Impedance Combined Type Muffler	-	4	948.75	3795
474	Ac-01 Double Cold Source Air Cooling Constant Temperature And Humidity Type	-	4	87287.00	349148
475	Fau-01 Assembly Type Purification Machine Set	-	2	22770.50	45541
476	Wx Type Microperforated Panel Muffler	-	6	1707.83	10247
477	Impedance Combined Type Muffler	-	12	948.75	11385
478	Suspended Ceiling Type Fresh Air Handling Machine Set	-	1	2846.00	2846
479	Impedance Combined Type Muffler	-	2	1518.00	3036
480	Suspended Ceiling Type Fresh Air Handling Machine Set	-	1	3416.00	3416
481	Impedance Combined Type Muffler	-	2	1518.00	3036
482	Suspended Ceiling Type Fresh Air Handling Machine Set	-	1	3416.00	3416
483	Impedance Combined Type Muffler	-	2	1518.00	3036
484	Air Cooling Constant Temperature And Humidity Type Air Conditioner	-	2	56926.50	113853

485	Multi-Purpose Air Pruifying Unit	-	2	8539.00	17078
486	Air Cooling Constant Temperature And Humidity Type Air Conditioner	-	2	60721.50	121443
487	Multi-Purpose Air Pruifying Unit	-	2	8539.00	17078
488	Air Cooling Constant Temperature And Humidity Type Air Conditioner	-	3	47438.67	142316
489	Multi-Purpose Air Pruifying Unit	-	2	10436.50	20873
490	Air Cooling Constant Temperature And Humidity Type Air Conditioner	-	2	37951.00	75902
491	Multi-Purpose Air Pruifying Unit	-	2	7590.00	15180
492	Air Cooling Constant Temperature And Humidity Type Air Conditioner	-	2	56926.50	113853
493	Multi-Purpose Air Pruifying Unit	-	2	8539.00	17078
494	Explosion Proof Roof Covering Ventilator	-	10	1328.30	13283
495	Side-Wall Type Exhaust Fan	-	2	569.50	1139
496	Wind Cooling Cold Air Type Cabinet Type Air Conditioner	-	2	1328.50	2657
497	Vertical Fresh Air Handling Machine Set	-	4	2277.00	9108
498	Explosion Proof Side-Wall Type Exhaust Fan	-	84	1138.52	95636
499	Explosion Proof Side-Wall Type Exhaust Fan	-	18	948.78	17078
500	Side-Wall Type Exhaust Fan	-	6	569.33	3416
501	Explosion Proof Cold Warm Packaged Air Conditioner	-	36	15180.36	546493
502	Explosion Proof Cold Warm Packaged Air Conditioner	-	12	6641.42	79697
503	Wind Cooling,Cold Warm Cabinet Type Air Conditioner	-	24	1423.17	34156
504	Ac Detail Hydrocarbon Analyser (Dha)	Set	2	79697.00	159394
505	Acreformulated Gasoling Analyser	Set	1	153701.00	153701
506	Acfast Refinery Gas Analyser Uop539	Set	2	85389.50	170779
507	Gas Chromatograph	Set	1	34156.00	34156
508	Gas Chromatograph ;	Set	2	39848.50	79697
509	Gas Chromatograph （Sulphur Acid Gas, Process Gas ）	Set	2	45541.00	91082
510	Gas Chromatograph	Set	1	45541.00	45541
511	Gas Chromatograph	Set	1	34156.00	34156
512	Gas Chromatograph ;Astm D4492	Set	1	34156.00	34156
513	Gas Chromatograph ;Q/Sh0134214	Set	1	34156.00	34156
514	Gas Chromatograph Uop931	Set	1	34156.00	34156
515	Gas Chromatograph ; Ripp4032	Set	1	34156.00	34156
516	Gas Chromatograph En238;En12177;D3606	Set	1	34156.00	34156
517	Gas Chromatograph En1601;En13132;	Set	1	34156.00	34156
518	Thin Layer Chromatography Instrument	Set	1	45541.00	45541
519	Gas Chromatograph ;Sh/T0615	Set	1	28463.00	28463
520	Achigh Temperature Analogue Distillation Instrument Astm D7169	Set	1	97913.00	97913
521	Ac8612color Spectrum Distillation Range Instrument	Set	2	79697.00	159394

522	Ac8634color Spectrum Distillation Range Instrument	Set	1	79697.00	79697
523	Ac D2887analogue Distillation Instrument	Set	1	91082.00	91082
524	Gas Phase Chromatography - Mass Spectrogram Instrument ;Sh/T0606	Set	1	113853.00	113853
525	Plasma Emission Spectrometer	Set	1	85390.00	85390
526	Atomic Absorption Spectrophotometer (With Graphite Oven)	Set	1	79697.00	79697
527	Ea2400ⅡType C、H、Nelementary Analysis Instrument	Set	1	51234.00	51234
528	Karl -F Moisture Titrimeter	Set	3	11385.33	34156
529	Automatic Potentiometric Titrimeter	Set	3	17078.00	51234
530	Bromine Number Bromine Index Determinator	Set	2	9563.50	19127
531	T70 Full Automatic Potentiometric Titrimeter （Measure Mercaptan Sulfur Content ）Astm D3227	Set	1	19127.00	19127
532	Near-Infrared Multi-Purpose Gasoline Analyser	Set	1	39848.00	39848
533	Specific Surface Area &Porosity Analyser	Set	1	22771.00	22771
534	Laser Granularity Analyser	Set	1	51234.00	51234
535	Fast Automatic Carbon Determinator	Set	1	45541.00	45541
536	Cfr-F2u Octane Value Machine Astm D2699	Set	1	853895.00	853895
537	Cfr-F2u Octane Value Machine Astm D2700	Set	1	853895.00	853895
538	Full Automatic Density Instrument	Set	3	29601.67	88805
539	Closed Cup Flash Point Tester Astm D56	Set	1	22771.00	22771
540	Full Automatic Closed Mouth Flash Point Tester	Set	2	30171.00	60342
541	Full Automatic Open Flash Point Instrument	Set	1	17078.00	17078
542	Full Automatic Trace Quantity Flash Point Tester (Closed Mouth)	Set	1	28463.00	28463
543	Full Automatic Vapor Pressure Tester Astm D6378; En13026-1; Astm D5191	Set	1	17078.00	17078
544	Full Automatic Kinematic Viscosity Instrument	Set	2	62619.00	125238
545	Full Automatic Saturated Vapor Pressure Tester	Set	1	37571.00	37571
546	Automatic Reduced Pressure Distillation Instrument	Set	1	79697.00	79697
547	Automatic Atmospheric Distillation Instrument	Set	4	28463.25	113853
548	全automatic Atmospheric Distillation Instrument D86;D850	Set	1	45541.00	45541
549	Existent Gum Tester	Set	1	22201.00	22201
550	Sulfur Content Determinator,Astm D4045	Set	1	56926.00	56926
551	Diesel Lubricating Property Determinator ;Iso12156-1	Set	1	113853.00	113853

552	Korlinger Gas Permeameter Uop114	Set	1	14345.00	14345
553	Sibert Colorimeter Astm D156	Set	1	6831.00	6831
554	Lovind Pfx995automatic Colorimeter	Set	1	20493.00	20493
555	Pfx995/Pcolorimetric Analysis Instrument ; Platinum,Cobalt, Saybolt Color Comparison	Set	1	34156.00	34156
556	Dissolved Oxygen Analysis Instrument Uop 678(Oil)	Set	1	28463.00	28463
557	Dew Point Instrument	Set	2	9563.50	19127
558	Mercury Detector	Set	1	28463.00	28463
559	Apparatus For Nitrogen & Chlorine Examination	Set	1	22771.00	22771
560	Chemoluminescence Nitrogen Determinator/Fluorescent Light Sulphur Content Analyser	Set	1	68312.00	68312
561	Anteksulphur Analyser	Set	1	51234.00	51234
562	Single Wave Long Chromatic Dispersion X Fluorescent Light Sulfur Tester	Set	1	62619.00	62619
563	Single Wave Long Chromatic Dispersion X Fluorescent Light Chlorine Tester	Set	1	62619.00	62619
564	Ultraviolet /Visible Spectroscopical Photometer ; Astm E299	Set	1	28463.00	28463
565	3655dissolved Oxygen Analysis Instrument (Water)	Set	1	17078.00	17078
566	Portable Flue Gas Tester	Set	1	17078.00	17078
567	2100nportable Turbidimeter	Set	1	3985.00	3985
568	Hq25dportable Dissolved Oxygen Determinator	Set	1	3416.00	3416
569	Full Automatic Ph Meter	Set	1	14232.00	14232
570	Electric Conductivity Meter	Set	2	3017.00	6034
571	Non - Chromatic Dispersion Infrared Oil Analyser	Set	1	14801.00	14801
572	Ion Chromatography + Combustion System	Set	1	68312.00	68312
573	Microwave Clearing Apparatus	Set	1	31879.00	31879
574	Microwave Cineration Apparatus	Set	1	22771.00	22771
575	Hydrogen /Nitrogen Generator	-	20	3415.60	68312
576	Ultrapure Water Apparatus	Set	2	6831.00	13662
577	Laboratory Information Management System (Lims)	Set	1	341558.00	341558
578	Crude Oil True Boiling Poin Distillation Instrument ;Astm D2892	Set	1	91082.00	91082
579	Jsr1019crude Oil Automatic Distillation Tester Gb/T2538	Set	2	10246.50	20493
580	Ky-4salt Content Determinator	Set	2	5123.50	10247
581	Crude Oil Moisture Tester Gb/T8929	Set	2	3188.00	6376
582	Jsb1202type Crude Oil Wax Content Tester	Set	1	3188.00	3188
583	Jsr3002crude Oil And Fuel Sediment Tester ;Gb6531	Set	2	1821.50	3643
584	Jsr1302type Densimeter Gb/T1884	Set	1	1708.00	1708
585	Jsr1202type Densimeter Gb/T2540	Set	1	1708.00	1708
586	Jsr0907petroleum Product Set Point Tester Gb/T510	Set	2	3188.00	6376

587	Jsr5101petroleum Product Kinematic Viscosity Tester Gb/T11137	Set	1	1480.00	1480
588	Jsr1104petroleum Product Kinematic Viscosity Tester Gb/T265	Set	1	1025.00	1025
589	Jsh3703bpetroleum Product Automatic Open Flash Point &Burning Point Tester	Set	1	7970.00	7970
590	Jsr2902btype Full Automatic Petroleum Product Flash Point Apparatus	Set	1	7970.00	7970
591	Jsr4401petroleum Product Water Soluble Acid &Alkaline Tester	Set	1	569.00	569
592	Jsr3501petroleum Product Carbon Residue Tester	Set	2	319.00	638
593	Jsr3602automatic Trace Quantity Carbon Residue Tester	Set	1	5123.00	5123
594	Jsr0207petroleum Product Vapour-Pressure Tester	Set	1	5123.00	5123
595	Jsr4301petroleum Product Ash Tester Gb/T508	Set	1	672.00	672
596	Jsr2106petroleum Product Copper Strip Corrosion Tester	Set	2	1708.00	3416
597	Lpg Sulfur Tester	Set	1	6831.00	6831
598	Jsy0202lpg Density Tester	Set	1	3416.00	3416
599	Jsy0301lpg Copper Strip Corrosion Tester	Set	2	2846.50	5693
600	Jsy0101lpg Vapour-Pressure Tester	Set	1	4326.00	4326
601	Jsy0402lpg Residue Tester	Set	2	3415.50	6831
602	Jsr3303petroleum Product Moisture Tester Gb/T260	Set	2	341.50	683
603	Jsr4201petroleum Product Mechanical Impurity Tester Gb/T511	Set	2	660.50	1321
604	Liquefied Gas Flash Vaporization Instrument	Set	2	5692.50	11385
605	Petroleum Product Chrominance Tester Gb/T6540	Set	1	797.00	797
606	Ky-200micro-Coulomb Comprehensive Analyser	Set	2	7742.00	15484
607	Selective Hydrogen Analyser	Set	1	6831.00	6831
608	Ultraviolet Spectrophotometer	Set	1	3416.00	3416
609	Visible Spectroscopical Photometer	Set	2	1138.50	2277
610	Ky-4microcomputer Alkaline Nitrogen Determinator Sh/T0162	Set	1	6831.00	6831
611	Petroleum Product Aniline Point Tester Gb /T262	Set	1	6831.00	6831
612	Abbe Refractometer	Set	1	683.00	683
613	Detector Tube (H2s)	Batch	1	569.00	569
614	Detector Tube (Hc1)	Batch	1	569.00	569
615	Jsr3804petroleum Product Hydrocarbon Compounds Tester ;Gb/T11132	Set	1	5123.00	5123
616	Jsr0810petroleum Product Pour Point Tester Gb/T3535	Set	2	7400.50	14801
617	Jsr0106gasoline Oxidation Stabilizing Ability Tester (Induction Period)	Set	3	10246.67	30740

618	Jsr0601petroleum Product Existent Gum Determinator ;Gb/T8019	Set	1	2277.00	2277
619	Jsr1803jet Fuel Freezing Point Tester Gb/T2430	Set	1	3188.00	3188
620	Jsr0502distillate Fuel Oil Oxidation Stability Tester (Speedup Technique)	Set	1	4326.00	4326
621	Jsr1506diesel Cold Filter Clogging Temperature Determinator	Set	1	6831.00	6831
622	Ky-3000nchemoluminescence Azotometer	Set	1	25048.00	25048
623	Rich Solvent Hydrocarbon Compounds Determinator Q/Sh0134213	Set	2	569.50	1139
624	Industrial Sulphur Organic Matter Tester	Set	1	4326.00	4326
625	Catalyst Micro-Activity Reactor (Include Chromatographic Instrument)	Set	1	45541.00	45541
626	Catalyst Bulk Density Determinator	Set	1	20493.00	20493
627	Petroleum Coke Bulk Density Determinator	Set	1	2049.00	2049
628	Jsh6701petroleum Coke Vacuum Density Tester ;Sh/T0033	Set	1	2049.00	2049
629	Jsh6801petroleum Coke Ash Tester ;Sh/T0029	Set	2	785.50	1571
630	Jsh6901 Petroleum Coke Volatile Fraction Tester ;Sh/T0026	Set	2	888.00	1776
631	Jsh3502petroleum Coke Sulfur Content Tester ;Gb/T387	Set	1	3188.00	3188
632	Orsat Gas Analysis Apparatus	Set	2	1138.50	2277
633	Automatic Abstractor	Set	1	569.00	569
634	Ionometer	Set	2	569.50	1139
635	Flame Photometer	Set	1	1139.00	1139
636	Jsb0301benzene Copper Corrosion Determinator Gb/T11138	Set	1	1708.00	1708
637	Jsb0402crystallization Point Determinator Gb/T3145;D852	Set	2	1708.00	3416
638	Jsb0202benzene Product Densimeter Gb/T2013	Set	1	2277.00	2277
639	Jsb0501benzene Product Evaporation Residue Determinator Gb/T3209	Set	1	1366.00	1366
640	Petroleum Product Calorific Value Determinator (Double Barrel)	Set	1	28463.00	28463
641	Flue Gas Solid Content Determinator	Set	1	11385.00	11385
642	Phosphate Radical Determinator Gb/T6913.1	-	1	1435.00	1435
643	Chlorinity Gauge	Set	2	256.00	512
644	Sodium Ion Analyzer Gb12156	Set	2	933.50	1867
645	Ph Meter	Set	3	569.33	1708
646	High Pressure Steam Disinfection Pot	Set	1	342.00	342
647	Ultrasonic Cleaner	Set	3	3415.67	10247
648	Silicic Acid Root Analyser	Set	2	1434.50	2869
649	Explosimeter	Set	5	910.80	4554
650	Regulated Power Supply	-	10	3415.60	34156
651	Other Analyser	Set	1	22771.00	22771
652	Ael-200type Electronic Analysis Balance	-	6	1707.83	10247

653	Me235selectronic Analysis Balance	-	1	8539.00	8539
654	Electronic Balance	-	1	3017.00	3017
655	Precision Balance 0-100g/0.1g	-	2	683.00	1366
656	Pharmacist Balance 200g	-	10	22.80	228
657	Muffle Furnace (With Temperature Controller)	-	10	569.30	5693
658	Electrothermal Drying Oven	-	5	432.60	2163
659	Jsq1203electrothermal Blowing Dry Box	-	5	1138.60	5693
660	Water-Bath	-	2	182.00	364
661	Electric Hot Plate	-	5	113.80	569
662	Electric Heater, Adjustable 800w	-	10	34.20	342
663	Electric Heater, Adjustable 1000w	-	5	57.00	285
664	Multipurpose Pulverizer	-	1	114.00	114
665	Power-Driven Vaccum Pump	Set	2	683.00	1366
666	Diamond Brand Stopwatch Division Value 0.1 Sec.	-	3	22.67	68
667	Ethyne Cylinder Φ219x1450mm	-	5	170.80	854
668	H2cylinder Φ219x1450mm	-	10	170.80	1708
669	N2cylinder Φ219x1450mm	-	10	170.80	1708
670	He、Arcylinder Φ219x1450mm	-	5	227.80	1139
671	O2cylinder Φ219x1450mm	-	3	170.67	512
672	N2ocylinder Φ219x1450mm	-	3	170.67	512
673	O2cylinder Pressure Adjustment Relief Valve	-	2	23.00	46
674	N2cylinder Pressure Adjustment Relief Valve	-	2	23.00	46
675	He、Arcylinder Pressure Adjustment Relief Valve	-	4	22.75	91
676	H2cylinder Pressure Adjustment Relief Valve	-	2	34.00	68
677	乙炔cylinder Pressure Adjustment Relief Valve	-	2	34.00	68
678	N2ocylinder Pressure Adjustment Relief Valve	-	2	34.00	68
679	Movable Tank Type Atmospheric Pressure Gauge	-	2	227.50	455
680	Platinum Crucible	-	4	2277.00	9108
681	Platinum Utensil	-	3	2277.00	6831
682	Porcelain Crucible	-	4	57.00	228
683	Crucible Tongs (Nickel Plating)	set	5	227.80	1139
684	Moisture Eliminator	-	10	56.90	569
685	Electromagnetic Stirrer	-	10	341.60	3416
686	Stainless Steel Oil Tank ; 2m3	-	2	3415.50	6831
687	Centrifuge	-	3	2049.33	6148
688	Sieve Machine	-	2	854.00	1708
689	Deep Freezer	-	2	227.50	455
690	Test Sieve	Set	1	228.00	228
691	Zh-1000 Oil Product Sampler	-	5	74.00	370
692	Zh-500 Oil Product Sampler	-	10	68.30	683
693	Dh-1000bottom Sampler	-	5	74.00	370
694	Dh-500 Bottom Sampler	-	10	68.30	683
695	500ml	-	10	398.50	3985
696	1000ml	-	5	455.40	2277

697	High Pressure Stainless Steel Sampling Cylinder (0.5 ~ 1 Liter)	Set	5	3984.80	19924
698	Combined Type Side Experiment Table ;4200x750x850	-	15	853.87	12808
699	Combined Type Side Experiment Table ;4200x750x850	-	5	1423.20	7116
700	Central Island Type Experiment Table 4200x1500x850	-	20	1650.85	33017
701	Central Island Type Experiment Table 4200x1500x850	-	10	2846.30	28463
702	Ventilated Chamber 1500x900x2190	-	73	2277.05	166225
703	On-Ground Ventilated Chamber 1500x900x2100	-	6	1707.83	10247
704	Balance Stand 900x600x800	-	28	250.46	7013
705	Equipment Stand 2400x750x850	-	8	478.13	3825
706	Equipment Stand 3600x750x850	-	29	740.03	21461
707	Equipment Stand 4200x750x850	-	4	854.00	3416
708	Equipment Stand 4800x750x850	-	9	967.78	8710
709	Aseptic Workbench ;1765x890x1425	-	1	911.00	911
710	Reagent Cabinet	-	68	284.63	19355
711	Ventilative Reagent Cabinet	-	24	341.54	8197
712	Sample Cabinet,Prepared Goods Cabinet, Utensil Cabinet	-	43	227.70	9791
713	Universal Exhaust Hood	-	75	341.56	25617
714	Mixed Style Spray Jet	-	4	284.75	1139
715	Experiment Use High Stool	-	90	34.16	3074
716	Change Clothes Chest	-	60	56.93	3416
717	Wash Stand 600x750x850	-	2	114.00	228
718	Chemical Reagent, Glassware Instrument &Others	Batch	1	170779.00	170779
719	Sampling Vehicle	-	3	17078.00	51234
720	Aa6800type Atomic Absorption Spectrophotometer	-	1	45541.00	45541
721	Visible Spectroscopical Photometer	-	4	711.50	2846
722	Dr5000type Visible -Ultraviolet Spectrophotometer	-	1	15939.00	15939
723	Drel2800portable Complete Water Quality Laboratory	-	1	12756.00	12756
724	Sensiontm156portable Multi-Parameter Determinator	-	1	3201.00	3201
725	Sludge Volume Index Analyser	-	1	569.00	569
726	Kjeldahl Determination Distilling Apparatus Gb/T11891	Set	2	114.00	228
727	Lingemann Blackness Tester	Set	2	227.50	455
728	Hachchemical Oxygen Demand (Cod)Determinator	Set	2	1138.50	2277
729	Hachbiological Oxygen Demand (Bod5) Determinator	Set	2	4350.00	8700
730	Oil In Water Determinator (Infrared Light Photometric Method)	Set	2	6831.00	13662
731	Biomicroscope	-	1	569.00	569
732	Combined Type (Portable)Gas Detector	-	2	6831.00	13662
733	Electronic Balance 200g;0.1mg	-	3	1138.67	3416

734	Precision Sound Level Meter (Including Octave Filter)	-	2	911.00	1822
735	Gas Chromatograph Hj/T38	-	1	22771.00	22771
736	Gas Chromatograph Gb/T14677	-	1	22771.00	22771
737	Gas Chromatograph (Total Hydrocarbon In Gas) Gb/T14678	-	1	22771.00	22771
738	Gas Chromatograph Gb/T11890	-	1	22771.00	22771
739	Atmosphere Automatic Sampler	-	2	410.00	820
740	(Atmospheric Sampler) Tsp Flow Rate Sampler	-	6	910.83	5465
741	Smoke Dust Balance Sampler (Dust Sampler)	-	2	5123.50	10247
742	Flue Gas Comprehensive Analyser (Suspended Particulate Sampler)	-	2	6262.00	12524
743	High-Temperature Cabinet Type Resistance Furnace	-	2	1708.00	3416
744	Thermostatic Drying Chamber	-	5	3415.60	17078
745	Bodgermiculture (Constant Temperature Cabinet)	-	2	2732.50	5465
746	Thermostatic Drying Chamber	-	1	3416.00	3416
747	Refrigerator	-	2	341.50	683
748	Ion Chromatograph (Measuring Negative Ion) Astm D4327	-	1	64061.00	64061
749	Automatic Potentiometric Titrimeter	-	3	34231.67	102695
750	Conductivity Meter	-	1	5085.00	5085
751	Wxz-S-2type Single Hydrantindoor Fire Hydrant	-	4	569.25	2277
752	Whole Mask Positive Pressure Type Air Respirator	Set	16	2277.06	36433
753	Whole Mask Long Tube Type Air Respirator	Set	2	1897.50	3795
754	Whole Mask Gas Mask	-	16	474.38	7590
755	Electrostatic Prevention Overalls	Set	73	113.85	8311
756	Acid-&Alkali- Proof Glove	Pair	73	18.97	1385
757	Electrostatic Prevention Oil-Proof Footware	Pair	73	56.93	4156
758	Safety Helmet	-	73	56.93	4156
759	Safty Goggles	-	16	19.00	304
760	Ear Shield	-	16	19.00	304
761	Accident Cabinet	-	8	474.38	3795
762	Explosion Proof Emergency Light	-	16	104.38	1670
763	First Aid Kit	-	2	95.00	190
764	Acid &Alkali Proof Glove	Pair	4	19.00	76
765	Acid & Alkali Proof Oil-Proof Footware	Pair	4	57.00	228
766	Acid &Alkali Proof Mask	-	4	113.75	455
767	Acid &Alkali Proof Overalls	Set	4	379.50	1518
768	Indoor Fire Hydrant Box	Set	16	379.50	6072
769	Portable Type Powder Fire Extinguisher Mf8	Set	88	37.95	3340
770	Small Size Fire Extinguisher Cabinet (2 No Packing)	Set	44	34.16	1503
771	Portable Type Carbon Dioxide Fire Extinguisher Mt5	Set	16	37.94	607

772	Portable Type Carbon Dioxide Fire Extinguisher Boxmtx	-	8	28.50	228
773	Portable Type Carbon Dioxide Fire Extinguisher Mt5	Set	16	37.94	607
774	Portable Type Carbon Dioxide Fire Extinguisher boxmtx	-	8	28.50	228
775	Portable Type Carbon Dioxide Fire Extinguisher Mt5	Set	22	37.95	835
776	Portable Type Carbon Dioxide Fire Extinguisher Boxmtx	-	11	28.45	313
777	Portable Type Carbon Dioxide Fire Extinguisher Mt5	Set	12	37.92	455
778	Portable Type Carbon Dioxide Fire Extinguisher Boxmtx	-	6	28.50	171
779	Portable Type Carbon Dioxide Fire Extinguisher Mt5	Set	16	37.94	607
780	Portable Type Carbon Dioxide Fire Extinguisher Boxmtx	-	8	28.50	228
781	Large Foam Fire Truck	-	1	941183.00	941183
782	Large Powder-Foam Fire Truck	-	1	379509.00	379509
783	Tel Truck	-	1	227705.00	227705
784	Generator Trailer	-	1	379509.00	379509
785	Rescue Car	-	1	379509.00	379509
786	Foam Tank	-	1	75902.00	75902
787	Fire Pump With Engine (Including The Floating Pump)	-	4	8539.00	34156
788	Movable Host Reel Or Tank	Set	4	9487.75	37951
789	Dc Nozzle	Set	18	379.50	6831
790	Movable Deluge Set	Set	6	2846.33	17078
791	Flowering Dc Nozzle	Set	12	379.50	4554
792	Flowering Dc Nozzle	Set	12	379.50	4554
793	Air-Foam Branch	Set	10	569.30	5693
794	Bunker Clothing	Set	90	284.63	25617
795	Fire Preventing Suit	Set	24	246.67	5920
796	Hand-Held Dry Powder (Ammonium Phosphate)	Set	60	37.95	2277
797	Hand-Held Ammonium Phosphate Dry Powder Cabinet	-	30	28.47	854
798	Indoor Fire Hydrant	-	4	759.00	3036
799	Indoor Fire Hydrant Boxsg24a65j Type	-	4	379.50	1518
800	Gas Prevent Ambulance	-	2	75902.00	151804
801	Stretcher	-	8	1707.75	13662
802	Oxygen Resuscitator 51	Set	8	3795.13	30361
803	First Aid Kit	-	20	94.90	1898
804	Model Of Cardiopulmonary Resuscitation	-	4	1897.50	7590
805	Mini Air Compressor	-	4	37951.00	151804
806	Air Respirator Detector	Set	2	1897.50	3795
807	Flammable/Toxic Gas Detector	-	10	4743.90	47439
808	Toxic Gas Detector (Portable, Ammonia)	-	10	1897.50	18975
809	Toxic Gas Detector (Portable, Benzene)	-	10	1897.50	18975

810	Toxic Gas Detector (Portable, Carbon Monoxide)	-	10	1897.50	18975
811	Plugging Tool Box	-	8	2277.00	18216
812	Repair Tool Box	-	4	95.00	380
813	Gas-Shelf	-	8	1802.63	14421
814	Breathing Apparatus (Full Cover, Positive Pressure, Self-Contained)	Set	168	1518.04	255030
815	Long Pipe Breathing Apparatus (Full Cover, Positive Pressure, Self-Contained)	Set	8	1897.50	15180
816	Hand-Held Dry Powder Extinguisher Mf3	Set	180	37.95	6831
817	Small Box For Packing Fire Extinguisher(Packing 2 No)	-	90	28.47	2562
818	Whole Mask Positive Pressure Type Air Respirator	Set	24	2277.04	54649
819	Whole Mask Long Tube Type Air Respirator	Set	12	1897.58	22771
820	Whole Mask Gas Mask	-	24	474.38	11385
821	Accident Cabinet	-	12	474.42	5693
822	Wind Vane	-	24	189.75	4554
823	Explosion Proof Emergency Light	-	24	104.38	2505
824	First Aid Kit	-	6	94.83	569
825	Portable Combustible Gas Alarm	-	12	4743.83	56926
826	Portable Toxic Gas Alarm	-	12	4743.83	56926
827	Portable Radiation Measuring Alarm	-	18	22770.56	409870
828	Portable Gas Fire Extinguisher	Set	40	37.95	1518
829	Fire Extinguisher Cabinet Mfx 2	-	20	28.45	569
830	Manually Operation Single-Beam Crane （5t）	-	4	4743.75	18975
831	Welding Machine 400a	-	8	569.25	4554
832	Gas Welding Machine	-	8	379.50	3036
833	Bench Drill Φ13	-	8	379.50	3036
834	Grinder 300/200	-	8	227.75	1822
835	Bench Worker Platform 4mx3m	-	4	20873.00	83492
836	Grinding Platform 1mx1m	-	4	948.75	3795
837	Machine Maintenance Apparatus	-	8	28463.13	227705
838	Other Machine Maintenance Tool	-	4	94877.25	379509
839	Machine Maintenance Tool Set	-	12	379.50	4554
840	Eleelectro- Repair Test Apparatus Ctro- Repair Calibration Table	-	4	39848.50	159394
841	Electro- Repair Test Apparatus	-	4	47438.75	189755
842	Electro Repair Testing Instrument	-	4	66414.00	265656
843	Machine Maintenance Tool Set	-	12	379.50	4554
844	Office Articles (Computer,Printer, File Cabinet)	Set	4	94877.25	379509
845	Spare Parts Material	Set	4	189754.50	759018
846	Explosion Proof Diesel Fork Lift Truck	-	4	113852.75	455411
847	Manually Operated Hydraulic Pressure Transport	-	12	284.67	3416
848	Low Voltage Swtich Cabinet	-	20	12334.05	246681
849	Floor-Type Power Distribution Cabinet	-	16	2277.06	36433
850	Power Distribution Cabinet Pz30rh-15	-	4	1897.50	7590

851	Lighting Distribution Box Pz30rh-18	-	4	284.75	1139
852	Lighting Distribution Box Pz30rh-16	-	4	284.75	1139
853	Lighting Distribution Box Pz30rh-15	-	20	284.65	5693
854	Lighting Distribution Box Pz30rh-12	-	4	284.75	1139
855	Administration Telephone	-	120	56.93	6831
856	Dispatching Phone	-	24	56.92	1366
857	Radio Phone	-	40	1233.40	49336
858	Detector	-	240	94.88	22771
859	Manual Alarm	-	40	379.50	15180
860	Alarming Apparatus	-	40	284.63	11385
861	Controller/Monitor	-	4	1897.50	7590
862	Dv	-	24	6641.42	159394
863	Data Communication Terminal	-	200	948.78	189755
864	Multifunction Process Signal Calibrator	-	48	2846.31	136623
865	Thermocouple (T/C, Mv), Thermal Resistance Calibrator	-	32	2277.06	72866
866	Portable Infrared Temperature Measurement Instrument	-	8	4743.88	37951
867	Automatic Pressure Loop Calibrator	Set	8	16129.13	129033
868	Multifunction Frequency Signal Check Meter	-	16	4743.88	75902
869	Intelligent Temperature Signal Check Meter	-	16	4743.88	75902
870	Hand Pump (Vacuum, Low, Medium, And High)	Set	12	2846.33	34156
871	Resistance Heating Furnace	-	4	12334.00	49336
872	Standard Current, Voltage Source	-	24	1897.54	45541
873	Cable Fault Testing Instrument	-	8	4743.88	37951
874	Megger	-	16	1518.06	24289
875	Grounding Resistance Tester	-	4	2846.25	11385
876	Real Time Digital Oscillograph	-	4	8539.00	34156
877	Four And A Half Digital Multimeter	-	80	189.75	15180
878	Resistance Box	-	16	948.75	15180
879	Standard Pressure Gauge	-	12	284.67	3416
880	Side-Wall Type Exhaust Fan Wex-550e4-0.55	-	64	948.77	60721
	Total				35520032
	Total Cost Of Equipment				**407296903**

Part 2. Equipment Required For The Jetty

1	Manometer 0~2.5mpa	Ea.	15	35.53	533.00
2	Thermometer(0~200)	Ea.	15	44.47	667.00
3	Electro-Hydrolic Loading Arm 4x16″ 150lb Cs (Including Junction Box)	Set	1	954642.51	954642.51
4	Gangway(On 150000 Dwt Berth)	Set	6	662946.53	3977679.15
5	Cam Pump H=60m, Q=80m3/H	Set	1	26517.78	26517.78
6	Ball Valve 150lb Dn600 Cs	Set	6	83013.36	498080.16
7	Gate Valve 150lb Dn600 Cs	Set	6	64000.08	384000.48
8	Gate Velve 150lb Dn1000 Cs	Set	2	93511.04	187022.08
9	Manometer 0~2.5mpa	Ea.	8	56.96	455.68
10	Thermometer (0~200)	Ea.	8	71.04	568.32
11	Ecectro-Hydrolic Loading Arm 12″ 150lb Cs (Including Junction Box)	Set	8	247499.96	1979999.64

12	Manually Operated Loading Arm 6″ 150lb Ss	Set	1	60106.86	60106.86
13	Pd Flowmeter Dn300	Set	2	167062.50	334125.00
14	Pd Flowmeter Dn400	Set	2	334125.00	668250.00
15	Cam Pump H=60m, Q=60m3/H	Set	4	26517.78	106071.12
16	Manometer 0~2.5mpa	Ea.	4	28.48	113.92
17	Thermometer (0~200)	Ea.	4	35.52	142.08
18	Manually Operated Loading Arm 10″ 150lb Cs	Set	2	60107.27	120214.53
19	Manually Operated Loading Arm 8″ 150lb Cs	Set	1	49499.91	49499.91
20	Pd Flowmeter Dn300	Set	2	167062.50	334125.00
21	Pd Flowmeter Dn250	Set	1	72393.75	72393.75
22	Cam Pump H=60m, Q=60m3/H	Set	8	53035.56	424284.48
23	Manometer 0~2.5mpa	Ea.	8	56.96	455.68
24	Thermometer (0~200)	Ea.	8	71.04	568.32
25	Manually Operated Loading Arm 10″ 150lb Cs	Set	2	60107.27	120214.53
26	Manually Operated Loading Arm 8″/3″ 300lb Cs	Set	3	91928.52	275785.56
27	Pd Flowmeter Dn300	Set	2	167062.50	334125.00
28	Mass Flowmeter Dn150	Set	3	60107.13	180321.39
29	Mass Flowmeter Dn25	Set	3	8839.26	26517.78
30	Cam Pump H=60m, Q=60m3/H	Set	2	26517.78	53035.56
31	Press-Balance Expansion Joint Dn1000 150lb	Ea.	64	49777.76	3185776.64
32	Press-Balance Expansion Joint Dn600 150lb	Ea.	60	31999.99	1919999.52
33	Elecrically Tracing	Set	1	457143.04	457143.04
34	SUC2250H rubber fender (one cell one board, R0)	set	4	177639.96	710559.83
35	Quick release hook with two hooks (1000kN each)	set	2	50331.32	100662.64
36	Quick release hook with three hooks (1000kN each)	set	7	62261.71	435831.96
37	Quick release hook with two hooks (550kN each)	set	5	45298.19	226490.95
38	SUC1150H rubber fender (two cell one board, R0)	set	9	33773.53	303961.73
39	Quick release hook with three hooks (550kN each)	set	4	54059.57	216238.27
40	SUC1000H rubber fender (two cell one board, R0)	set	18	23466.02	422388.34
41	Quick release hook with two hooks (450kN each)	set	10	42129.18	421291.81
42	Quick release hook with three hooks (450kN each)	set	8	50890.56	407124.47
43	SUC800H rubber fender (two cell one board, R0)	set	14	21875.48	306256.74
44	DA-A400×H3 000 rubber fender (R0)	set	28	3609.45	101064.71
45	D300 rubber fender, L=2000	set	52	1487.53	77351.58
46	DA200X2000L rubber ladder	set	3	1203.15	3609.45
47	DA300H*2000L rubber fender (R0)	set	22	2333.38	51334.41
48	DA300H*1500L rubber fender (R0)	set	11	1750.04	19250.42

49	D300H*1500L rubber fender	set	24	1115.65	26775.52
50	Tyre Crane（50t）	NO.s	2	635080.65	1270161.29
51	Tractor(Q25)	NO.s	6	45362.90	272177.42
52	Flat car（20t）	NO.s	8	18145.16	145161.29
53	others	NO.s	1	90725.81	90725.81
54	tug（have the function of firefighting）(4200HP)	NO.s	2	7316129.03	14632258.06
55	tug(5200HP)	NO.s	1	9058064.52	9058064.52
56	traffic boat(150HP)	NO.s	1	1393548.39	1393548.39
	Total Construction Cost：				47425725.09

Equipment Required for The Refinery	407296903.00
Equipment Required For The Jetty	47425725.09
Total Cost	454722628.09

List of Transportation Vehicles

No.	Title	Qty.		Brand	Type/Spec	Unit Price （USD	Subtotal （USD）	Subtotal （USD ）	Use	Remarks	
1	Sedan	16	6	Toyota Reiz	2.5V	28571	171428. 5714	171429	Office,reception	Refinery	Use during the period of commercial operation
			10	Toyota Carola	1.8L	20635	206349. 2063	206349			
2	Off- road vehicle	10	5	Toyota Highlander	2.7L 2-wheel drive 7	41270	206349. 2063	206349			
			5	Beijing Hyundai	2.0L Automatic 4-wheel drive	25397	126984. 127	126984	Office,reception	Refinery	
3	Mini bus	4	4	Xiamen Jinlong Cowes/Zhengzhou Yutong	22 seats	31746	126984. 127	126984	Reception	Refinery	
4	Bus	10	10	Zhengzhou Yutong/Xiamen Jinlong	55 seats passenger car	111111	1111111. 111	1111111	Staff transport	Refinery	
5	Pick-up	30	30	Liebao	2.5 desiel 4-wheel drive	23810	714285. 7143	714286	Freight transport	Refinery	
6	Truck	6	6	Futian Oman/Shanqi Heavy/ FAW	350/380HP 8*4Heavy/traction	61905	371428. 5714	371429	Freight transport	Refinery	
7	Large foam fire truck	2	2	Futian Oman/CNHTC	260－336HP 6*4 12－15M^3	84127	168253. 9683	168254	Fire protection	Refinery	
8	Large foam-powder universal fire truck	2	2	CNHTC/Steyr	6*4 Water 6000kg Foam 2000kg Powder 2000kg 196/9726	93651	187301. 5873	187302	Fire protection	Refinery	
9	Communication and command car	1	1	Yutong	6－7M HP 140-160 DCS commander system	166667	166666. 6667	166667	Fire protection	Refinery	
10	Generator trailer	2	2	Domestic	1800KW trailer for generator	14286	28571. 42857	28571	Fire protection	Refinery	
11	Water tower truck	1	1	Domestic HOWO	15－25M 196（kw）	238095	238095. 2381	238095	Fire protection	Refinery	
12	Heavy water tanker	2	2	CNHTC/Steyr	WD615.92E Guo3 6*4 15000kg	82540	165079. 3651	165079	Fire protection	Refinery	

13	Rescue vehicle	2	2	Domestic HOWO	Small type，one drive two	17460	34920.63492	34921	Rescue	Refinery	
14	Bus	3	3	Xiamen Jinlong /Zhengzhou Yutong	55seats passenger car	111111	333333.3333	333333	Staff transport	Jetty	
15	Small Vehicle	3	3	Toyota Carola	1.8L	20635	61904.7619	61905	Office	Jetty	
16	Maintenance vehicle	1	1	Dongfeng Captain	130HP 2.2－3.5TN300/N280	23810	23809.52381	23810	Repair	Jetty	
17	Tool vehicle	1	1	Yutong	Small type	23810	23809.52381	23810		Jetty	
Total							4466666.667	4466667			

Proposal Form and Related Documents

For

The Five Million Metric Ton Per Annum Refinery Project

In Dawei, Tanintharyi Region, Myanmar

(Part III)

2016

TABLE OF CONTENTS

List of Imported Materials for Construction Period and Auxiliary Raw Material For Production

Materials Required For The Refinery

No.	Equipment And Materials	Unit	Price (Usd)	Quantity	Total Price (Usd)
1) CDU and Vis-Breaker					
1	Steel Structure	Ton	1409.16	2650	3734269
2	Thermal-Insulation –Different Specifications-Aluminium Silicate Fiber（Boards）	1.3 Meter	216.79	800	173435
3	General Equipment- Aluminum Sheet	10.2 Meter	83.25	900	74924
4	Antiseptic For Pipe And Equipment-Inorganic Zinc Rich Primer - Inorganic Zinc Rich Primer Two Layers	10.2 Meter	74.36	1800	133848
5	Antiseptic For Pipe And Equipment-Inorganic Zinc Rich Primer - Inorganic Zinc Rich Primer Two Layers	10.2 Meter	74.36	1800	133848
6	Fireretardant Paint - Fire Resistance Period：2.5 Hours	10.2 Meter	200.31	140	28044
7	Fabrication And Installation Of Metal Structures - Vertical Square Furnace	Ton	1197.57	423	506571
8	Inorganic Zinc Rich Primer Two Layers	10 M2	74.36	846	62909
9	Silicone Heat Resistant Paint Two Layers	10 M2	36.64	846	30996
10	Stainless Steel Pipeφ219×10	Ton	16649.74	27	449543
11	Stainless Steel Pipeφ219×10	Ton	14395.09	68	978866
12	Alloy Steel Pipe Installationφ219×10	Ton	10271.69	13	133532
13	Insulation Nail Stainless Steel	Ton	19804.00	2	39608
14	Gas Burner	Set	1951.12	17	33169
15	Stainless Steel Sharp Bend Pipe 180°Φ219x10	Ton	43358.75	4	173435
16	Stainless Steel Sharp Bend Pipe 180°Φ219x10	Ton	84852.67	1.5	127279
17	Alloy Steel Sharp Bend Pipe 180°Φ219x10	Ton	26795.64	3.9	104503
18	Finned Tubeφ219x10	Ton	13342.12	90	1200791
19	Doors	Ton	6742.29	7	47196
20	Alloy Steel Castings	Ton	18427.45	20	368549
21	Convection Both Ends Of The Tube Plate	Ton	5255.00	6	31530
22	Acoustic Wave Ash Blower	Set	8238.17	12	98858
23	Flue Damper	Ton	11674.50	2	23349
24	Carbon Steel Parts & Accessories	Ton	4738.57	3.5	16585
25	Alloy Steel Parts	Ton	11656.00	1	11656

26	High Alumina Refractory Brick	M3	1056.00	20	21120
27	Lightweight Refractory Lining	M3	867.17	180	156091
28	Ceramic Fiber Board	M3	975.60	15	14634
29	Composite Fiber Lining	M3	1468.56	180	264341
30	Production And Installation Of Metal Structures Of Cylindrical Furnace	Ton	1197.57	333	398790
31	Apparatus With Rectangular Pipeline Brush Oil Inorganic Zinc Rich Primer Two Times	10 M2	74.36	666	49524
32	Apparatus With Rectangular Pipeline Brush Oil Inorganic Zinc Rich Primer Two Times	10 M2	36.64	666	24401
33	Stainless Steel Pipeφ273×12	Ton	16649.80	5.1	84914
34	Stainless Steel Pipeφ219×10	Ton	16649.76	6.804	113285
35	Stainless Steel Pipeφ168×8	Ton	16649.62	4.164	69329
36	Stainless Steel Pipeφ141×8	Ton	16649.74	33.524	558166
37	Stainless Steel Pipeφ141×8	Ton	14395.11	8.8	126677
38	Insulation Nail　Stainless Steel	Ton	19804.00	2	39608
39	Gas Burner	Set	1951.15	13	25365
40	Stainless Steel Sharp Bend Pipe -180° Φ141×8	Ton	43358.50	2	86717
41	Stainless Steel Sharp Bend Pipe -180° Φ141×8	Ton	43358.67	1.5	65038
42	Stainless Steel Sharp Bend Pipe -180° Φ168×8	Ton	43358.75	0.8	34687
43	Stainless Steel Sharp Bend Pipe -180° Φ219×10	Ton	43358.57	0.7	30351
44	Alloy Steel Sharp Bend Pipe -180° Φ127×12	Ton	22330.00	0.7	15631
45	Finned Tubeφ141x8	Ton	24451.07	43	1051396
46	Finned Tube Installsionφ127×12	Ton	12337.29	14	172722
47	Doors	Ton	6742.33	6	40454
48	Alloy Steel Castings	Ton	18427.45	20	368549
49	Convection Both Ends Of The Tube Plate	Ton	5255.00	6	31530
50	Acoustic Wave Ash Blower	Set	8238.17	12	98858
51	Flue Damper（With Execution Panel）	Ton	11674.50	2	23349
52	Carbon Steel Parts & Accessories	Ton	4738.00	1	4738
53	Alloy Steel Parts	Ton	11656.00	1	11656
54	Lightweight High Alumina Refractory Brick	M3	1056.00	15	15840
55	Lightweight Refractory Lining	M3	867.17	140	121404
56	Ceramic Fiber Board	M3	975.60	15	14634
57	Composite Fiber Lining	M3	1468.56	150	220284
58	Steel Flue	Ton	1225.97	250.5	307105

59	Apparatus With Rectangular Pipeline Oil Inorganic Zinc-Rich Paint Brush Two Times	10 M2	74.36	501	37254
60	Apparatus With Rectangular Pipeline Oil And Heat-Resistant Silicone Paint Brush Two Times	10 M2	36.64	501	18356
61	Protective Layer Of Galvanized Iron Nail Equipment	10 M2	83.26	63.69427	5303
62	Metal Compensator	Ton	8262.00	1.5	12393
63	Metal Compensator	Ton	19092.00	1.5	28638
64	Non-Metal Compensator	-	3035.17	6	18211
65	Flue Damper（With Execution Panel）	Ton	11674.33	6	70046
66	Duct Baffle（With Execution Panel）	Ton	5255.08	12	63061
67	Neumatic Quick Open Door	Set	1560.94	16	24975
68	Neumatic Quick Open Door	Ton	6742.08	2.4	16181
69	Rotary Soot Blower	Set	2493.17	12	29918
70	Other Accessories Installation（Carbon Steel）	Ton	5818.00	0.5	2909
71	Other Accessories Installation（Alloy Steel）	Ton	9870.00	1	9870
72	Lightweight Refractory Lining	M3	867.18	210	182107
73	Wool Felt	M3	229.80	20	4596
74	Carbon Steel Pipe	Ton	2398.73	796.23	1909944
75	Alloy Steel Pipe	Ton	10050.65	94.89	953706
76	Stainless Steel Pipe	Ton	25228.88	199.59	5035433
77	Compound Pipeline Complex Pipeline	Ton	9756.54	47.49	463338
78	Valve	-	969.81	5737	5563798
79	Filter	-	3264.55	56	182815
80	Safety Valve	-	8319.87	39	324475
81	Spring Support	Ton	5419.83	23	124656
82	Spring Box	Ton	1128.65	17	19187
83	Heat Insulation Pipe Bracket	-	325.19	300	97557
84	Es Type Multifunctional Movable Hydraulic Lift	-	5419.83	6	32519
85	Sight Glass Dn20	-	43.36	61	2645
86	Thermal Insulation - General Specifications - Aluminium Silicate Fiber	1.3 M	216.79	720	156091
87	Thermal Insulation - General Specifications - Aluminum Silicate Fiber Bulk Material	1.3 M	216.79	1015	220045
88	Valve Heat Insulation Composite Silicate Insulation	1.3 M	216.79	100	21679
89	Pipeline - Aluminum Skin	10.2 M	80.00	3800	303988

90	Pipeline Coating Inorganic Zinc-Rich Primer And Inorganic Zinc-Rich Primer Two Times	10.2 M	83.90	105.9	8885
91	Pipeline Anticorrosion Paint - - Other Types Of Antirust Paint	10.2 M	15.18	991.4	15045
92	Pipeline Anticorrosion Paint Alkyd Enamel - Other Types - Two Times	10.2 M	14.53	135	1961
93	Pipeline Anticorrosion Paint Of Alkyd Varnish - Other Types - Two Times	10.2 M	8.67	135	1171
94	Ipeline Anticorrosion Paint - Other Types - Heat-Resistant Silicone Paint For Two Times	10.2 M	37.51	300	11252
95	Power Cable Zra-Yjv22-8.7/10kv-3x70mm²	Kilometer	43946.80	3.496	153638
96	Power Cable Zra-Yjv22-0.6/1kv/3x150mm²	Kilometer	67199.66	1.748	117465
97	Power Cable Zra-Yjv22-0.6/1kv/3x120mm²	Kilometer	53990.12	3.036	163914
98	Power Cable Zra-Yjv22-0.6/1kv/3x95mm²	Kilometer	43125.00	2.024	87285
99	Power Cable Zra-Yjv22-0.6/1kv/3x70mm²	Kilometer	31932.97	0.552	17627
100	Power Cable Zra-Yjv22-0.6/1kv/3x50mm²	Kilometer	22970.11	0.368	8453
101	Power Cable Zra-Yjv22-0.6/1kv/3x35mm²	Kilometer	16783.50	6.716	112718
102	Power Cable Zra-Yjv22-0.6/1kv/3x25mm²	Kilometer	12526.68	2.024	25354
103	Power Cable Zra-Yjv22-0.6/1kv/3x16mm²	Kilometer	8337.94	1.012	8438
104	Power Cable Zra-Yjv22-0.6/1kv/3x6mm²	Kilometer	3595.11	0.368	1323
105	Power Cable Zra-Yjv22-0.6/1kv/3x4mm²	Kilometer	2615.57	6.256	16363
106	Power Cable Zra-Yjv22-0.6/1kv/3x95+1x50mm²	Kilometer	50429.84	2.024	102070
107	Power Cable Zra-Yjv22-0.6/1kv/3x50+1x25mm²	Kilometer	26717.39	0.368	9832
108	Power Cable Zra-Yjv22-0.6/1kv/4x16mm²	Kilometer	10878.62	3.312	36030
109	Power Cable Zra-Yjv22-0.6/1kv/5x6mm²	Kilometer	5741.55	0.828	4754
110	Power Cable Zra-Yjv22-0.6/1kv/2x120mm²	Kilometer	36863.14	2.024	74611
111	Control Cable Zra-Kyjv22-450/750kv/22x2.5	Kilometer	11037.50	0.4	4415
112	Control Cable Zra-Kyjv22-450/750kv/16x2.5	Kilometer	8240.00	0.4	3296
113	Control Cable Zra-Kyjv22-450/750kv/14x2.5	Kilometer	7288.95	3.8	27698
114	Control Cable Zra-Kyjv22-450/750kv/10x2.5mm²	Kilometer	5413.14	7	37892
115	Control Cable Zra-Kyjv22-450/750kv/4x2.5mm²	Kilometer	2422.14	2.8	6782
116	Control Cable Zra-Kyjv22-450/750kv/7x1.5mm²	Kilometer	2570.06	15.6	40093
117	10kvcable Head（10kv，3x70mm2）	-	650.38	40	26015
118	Fluorescent Lamp	Set	260.16	90	23414
119	Explosion-Proof Lamp220v 1x50w	Set	325.19	630	204870
120	Aviation Obstacle Lights220v 150w Diibt4	Set	1734.33	6	10406

121	Power Cable Zr-Yjv-1kv/3x2.5mm2	Kilometer	1361.43	6.3	8577
122	Power Cable Zr-Yjv-1kv/5x2.5mm2	Kilometer	1745.00	0.8	1396
123	Lightning Protection Grounding - Ground Laying - General Earthing Electrode	-	11.22	65	729
124	Hot Galvanized Flat Steel 50x6	10 Meters	28.14	220	6191
125	Hot Galvanized Flat Steel 40x4	10 Meters	15.02	230	3455
126	Lightning Protection Grounding - Ground Laying Copper Grounding Wire	10 Meters	65.04	23	1496
127	Explosion-Proof Flexible Tube	-	32.53	15	488
128	Electric Cable 2*2*1.5mm2	Kilometer	3685.60	2.5	9214
129	Electric Cable 8*2*1.5mm2	Kilometer	8888.33	1.2	10666
130	Electric Cable 16*2*1.5mm2	Kilometer	16477.50	0.4	6591
131	Explosion-Proof Flexible Tube	-	32.53	40	1301
132	Loudspeaker Electric Cable	Kilometer	4335.00	0.2	867
133	System Electric Cable	Kilometer	10839.60	2.5	27099
134	Single Mode Optical Fiber Cable	Kilometer	3252.11	1.9	6179
135	Explosion-Proof Flexible Tube	-	32.53	15	488
136	Electric Cable Rvvp-3x2.5mm2	Kilometer	2167.89	1.9	4119
137	Supporting Electric Cable	Kilometer	10833.33	0.03	325
138	Metal Support Fabrication And Installation	Ton	978.82	6.751	6608
139	Instrumentation Line- Carbon Steel Seamless Pipe	10 Meters	53.12	400	21246
140	Instrumentation Line- Galvanized Steel Pipe	10 Meters	77.18	1350	104191
141	Instrumentation Line- Stainless Steel Tube	10 Meters	233.49	638	148964
142	Socket Welding Gate Valve	-	54.20	150	8130
143	Socket Welding Globe Valve Steel	-	54.20	400	21679
144	Socket Welding Globe Valve Ss316	-	86.72	120	10406
145	Inside Screw Stainless Steel Ball Valve	-	86.72	100	8672
146	Air Valve (Stainless Steel)	-	43.36	130	5637
147	Socket Welding Isolation Container	-	216.80	50	10840
148	Steam Trap	-	65.04	50	3252
149	Combined Instrumentelectric Cabletank Box	Ton	5636.63	35	197282
150	Instrument Electric Cable 2×1.5mm2	Kilometer	1214.05	130	157826
151	Instrument Electric Cable 3×1.5mm2	Kilometer	1387.47	15	20812
152	Instrument Electric Cable 4×1.5mm2	Kilometer	2081.22	18	37462
153	Instrument Electric Cable 3×2.5mm2	Kilometer	1560.88	8	12487
154	Instrument Electric Cable 8×3×1.5mm2	Kilometer	8671.67	3	26015
155	Instrument Electric Cable 12×2×1.5mm2	Kilometer	10406.00	5	52030
156	Instrument Electric Cable Kx-2x1.5	Kilometer	1907.78	50	95389

157	Instrument Electric Cable Kx-12x2x1.5	Kilometer	16476.50	2	32953
158	Explosion-Proof Electric Cable Introduction Device	-	21.68	1600	34687
159	Water Supply And Drainage, Steel Pipe	Ton	1225.93	113.524	139172
160	Cast Iron Pipe	10 Meters	513.65	119.9	61587
161	Valve	-	1181.04	46	54328
162	Coal Tar Epoxy Paint Anti-Corrosion Pipeline - An End Of Both Sides	10.2 M	35.77	250	8943
163	Coal Tar Epoxy Paint Anti-Corrosion Pipeline	10.2 M	36.42	250	9105
164	Outdoor Ground Hydrant	Set	867.17	6	5203
165	Fire Hose Reel	Set	2709.89	9	24389
166	Fire Gun Spzk40	-	2601.50	2	5203
167	Fire Hose	-	867.18	22	19078
TOTAL					32110002
2) FCC Unit					
1	Steel Structure	Ton	1115.59	4240	4730083
2	High Wear Resistant Corundum Liner	M3	5435.13	37.8	205448
3	Steel Fiber Reinforced Wear Resistant Lining	M3	1243.33	3	3730
4	Insulating And Wearing-Resistant Lining	M3	1243.45	362	450128
5	Tortoiseshell Net And Wall Welding（0cr13）	M2	93.20	400	37278
6	Tortoiseshell Net And Wall Welding （0cr18ni9）	M2	116.36	1092	127070
7	Y Anchor Nail 2×10（0cr18ni9）	100-	515.40	1210	623635
8	Side Pull Ring Anchoring Nail（0cr18ni9）	100-	304.64	1315	400603
9	Equipment Insulation - General Specifications - Aluminum Silicate Fiber Bulk Material	1.3 M	171.63	189	32438
10	Equipment Insulation - General Specifications - Wool Powder Material	1.3 M	93.71	242	22678
11	General Equipment - Aluminum Skin	10.2 M	65.91	395.9	26092
12	Two System Equipment External Insulation	10.2 M	1716.29	200	343257
13	Pipeline Of Asphalt Felt, Asphalt, Coal Tar Epoxy Glass Cloth	10.2 M	28.40	5	142
14	Pipeline Of Asphalt Felt, Asphalt, Coal Tar Epoxy Glass Cloth	10.2 M	9.60	5	48
15	Apparatus With Rectangular Pipeline Anticorrosion - Red-Lead Epoxy Antirust Paint, Epoxy Enamel - Primer Two Times	10.2 M	22.65	300	6796
16	Apparatus With Rectangular Pipeline Anticorrosion - Red-Lead Epoxy Antirust Paint, Epoxy Paint Finish - Two Times	10.2 M	18.71	300	5612

17	A Moisture Barrier Layer, The Protective Layer Is Installed - Fire Retardant Coating Refractory Time: 2.5 Hours	10.2 M	158.58	181.4	28767
19	Insulation Castables	1.3 M	729.94	250	182484
20	Acoustic Wave Ash Blower	Set	6521.88	76	495663
22	High Alumina Castables	1.3 M	937.00	4	3748
23	Insulation Castables	1.3 M	729.93	30	21898
24	Burner	Set	34326.00	1	34326
26	Production And Installation Of Metal Structures - Cylindrical Furnace	Ton	949.79	91.1	86526
27	Apparatus With Rectangular Pipeline Oil Inorganic Zinc-Rich Paint Brush Two Times	10 M2	58.87	182.2	10726
28	Apparatus With Rectangular Pipeline Oil And Heat-Resistant Silicone Paint Brush Two Times	10 M2	29.01	182.2	5285
29	Alloy Pipeφ168*8	Ton	8131.75	20	162635
30	Alloy Steel Castings	Ton	14588.50	4	58354
31	Burner	Set	1544.75	4	6179
32	Insulation Nails Stainless Steel	Ton	10091.67	1.2	12110
33	High Alumina Refractory Brick	M3	836.00	2	1672
34	High Alumina Castables	1.3 M	686.78	83.3	57209
35	Carbon Steel Pipe	Ton	1856.15	1570.01	2914177
36	Stainless Steel Pipe	Ton	12319.96	46.34	570907
37	Alloy Steel Pipe	Ton	7839.68	133.65	1047773
38	Valve	-	977.19	5152	5034487
39	Safety Valve	-	9016.22	27	243438
41	Equipment For Lining And Network Installation - Insulation Lining	M3	1144.76	200	228952
42	Equipment For Lining And Network Installation - Lining	M3	1443.40	60	86604
43	Equipment For Lining And Network Installation - High Wear Resistant Corundum Liner	M3	1927.67	6	11566
44	Network And The End Plate Welding （0cr13）	M2	187.76	2400	450628
45	End Plate 0cl13	Ton	8650.00	0.48	4152
46	Y Anchor Nail 2×10（0cr13）	100-	396.46	400	158585
47	Damper Dn2400	Ton	9242.18	11	101664
48	Thermal Insulation - Felt Products -	1.3 M	171.63	400	68651

	Aluminum Silicate				
49	Thermal Insulation - Fiber Products (Shell) - Aluminum Silicate	1.3 M	171.63	1200	205954
50	A Moisture Barrier Layer, The Protective Layer Is Installed - Sheet Metal Nail Outlet Pipe - Aluminum Δ=0.6	10.2 M	63.33	2300	145661
51	A Moisture Barrier Layer, The Protective Layer Is Installed - Sheet Metal Nail Outlet Pipe - Aluminum Δ=0.8	10.2 M	101.26	700	70883
52	Pipeline Anticorrosion Paint - Other Types - Heat-Resistant Silicone Paint For Two Times	10.2 M	29.69	200	5938
53	Pipeline Anticorrosion Epoxy Powder Coating Finish Of Two Times -	10.2 M	14.08	200	2815
54	Pipeline Coating Inorganic Zinc-Rich Primer And Inorganic Zinc-Rich Primer Two Times	10.2 M	66.42	3000	199261
55	Pipeline Anticorrosion Paint - - Other Types Of Antirust Paint Two Times	10.2 M	12.01	150	1802
56	Pipeline Anticorrosion Paint Alkyd Enamel - Other Types - Two Times	10.2 M	11.50	800	9199
57	Pipeline Anticorrosion Paint Alkyd Enamel - Other Types - Two Times	10.2 M	11.50	800	9199
58	Pipeline Anticorrosion Paint - - Other Types Of Antirust Paint Two Times	10.2 M	12.01	800	9611
59	Pipeline Anticorrosion Paint Of Alkyd Varnish - Other Types - Two Times	10.2 M	6.87	1000	6865
60	Filter	-	690.86	36	24871
61	Single Hinge Type Expansion Jointdn1400	-	47748.67	3	143246
62	Single Hinge Type Expansion Jointdn2400	-	67139.33	3	201418
63	Double Universal Hinge Type Expansion Jointdn2400	-	75038.00	1	75038
64	Double Universal Hinge Type Expansion Jointdn1600	-	59241.00	1	59241
65	Double Universal Hinge Type Expansion Jointdn1400	-	53316.00	1	53316
66	Double Universal Hinge Type Expansion Jointdn1100	-	47985.50	2	95971
67	Double Universal Hinge Type Expansion Jointdn1000	-	43187.00	2	86374
68	Pressure Balanced Expansion Jointdn2400	-	117099.00	1	117099
69	The Proportion Of Cross-Strait Compound Free Type Expansion Jointdn2400	-	71504.00	4	286016
70	The Proportion Of Cross-Strait Compound Free Type Expansion Jointdn1100	-	56455.50	2	112911

71	Single Free Type Expansion Jointdn2400	-	57664.00	2	115328
72	Single Free Type Expansion Jointdn1800	-	51257.00	2	102514
73	Single Free Type Expansion Jointdn1500	-	37895.50	2	75791
74	Spring Hanger	Ton	4290.72	60	257443
75	Saddle Support	Ton	893.50	10	8935
76	Lug Support	Ton	893.50	4	3574
77	Gantry Pillars	Ton	893.33	3	2680
78	Adjustable Rolling Production Center	Ton	893.75	0.8	715
79	Guide Support	Ton	893.50	2	1787
80	Teflon Self-Lubricating Sliding Bearings	-	1630.47	60	97828
81	Hydraulic Platform	-	4290.50	2	8581
82	10kvcable Head	-	514.86	14	7208
83	10kvcable Head	-	1373.00	10	13730
84	Power Cablezra-Yjv22-8.7/10kv-3x240mm²	Kilometer	97680.00	2.2	214896
85	Power Cablezra-Yjv22-8.7/10kv-3x70mm²	Kilometer	34791.48	2.7	93937
86	Power Cablezra-Yjv22-0.6/1kv-3x185mm²	Kilometer	65754.00	1	65754
87	Power Cablezra-Yjv22-0.6/1kv-3x150mm²	Kilometer	53200.50	2	106401
88	Power Cablezra-Yjv22-0.6/1kv-3x120mm²	Kilometer	42742.80	5	213714
89	Power Cablezra-Yjv22-0.6/1kv-3x95mm²	Kilometer	34141.00	5	170705
90	Power Cablezra-Yjv22-0.6/1kv-3x70mm²	Kilometer	25279.00	1	25279
91	Power Cablezra-Yjv22-0.6/1kv-3x50mm²	Kilometer	18184.00	1	18184
92	Power Cablezra-Yjv22-0.6/1kv-3x35mm²	Kilometer	13287.00	14	186018
93	Power Cablezra-Yjv22-0.6/1kv-3x10mm²	Kilometer	4417.67	3	13253
94	Power Cablezra-Yjv22-0.6/1kv-3x6mm²	Kilometer	2845.67	3	8537
95	Power Cablezra-Yjv22-0.6/1kv-3x4mm²	Kilometer	2071.20	10	20712
96	Power Cablezra-Yjv22-0.6/1kv-3x120+1x70mm²	Kilometer	50898.67	3	152696
97	Power Cablezra-Yjv22-0.6/1kv-3x50+1x25mm²	Kilometer	21152.00	1	21152
98	Power Cablezra-Yjv22-0.6/1kv-4x16mm²	Kilometer	8612.25	4	34449
99	Control Cablezra-Kyjv22-450/750kv-14x2.5mm²	Kilometer	5770.61	3.3	19043
100	Control Cablezra-Kyjv22-450/750kv-10x2.5mm²	Kilometer	4285.56	10.8	46284
101	Control Cablezra-Kyjv22-450/750kv-7x1.5mm²	Kilometer	2035.00	32	65120
102	Fluorescent Lamp	Set	205.96	200	41191
103	Explosion-Proof Lamp	Set	257.44	820	211103
104	Flameproof Metal Halide Lamp	Set	223.10	10	2231
105	Metal Halide Lamp	Set	171.60	10	1716

106	Waterproof And Dustproof Lamp	Set	137.30	40	5492
107	Aviation Obstacle Lights220v 150w	Set	1373.00	6	8238
108	Power Cablezr-Yjv-1kv/3x2.5mm2	Kilometer	1074.55	11	11820
109	Power Cablezr-Yjv-1kv/5x2.5mm2	Kilometer	1684.40	2.5	4211
110	Power Cablezr-Yjv-1kv/5x4mm2	Kilometer	2758.80	2.5	6897
111	Grounding Inspection Well	-	343.33	6	2060
112	Yellow And White Insulated Wire Bv-500 70mm2	10 Meters	168.88	60	10133
113	Yellow And White Insulated Wire Bv-500 25mm2	10 Meters	54.92	50	2746
114	Hot Galvanized Steel	Ton	943.94	15.411	14547
115	Copper Wire Trj-35	10 Meters	51.50	20	1030
116	Copper Wire Trj-4	10 Meters	17.15	20	343
117	Explosion-Proof Flexible Tube(Flame Detector Supporting)	-	25.73	15	386
118	2*2*1.5mm2 On The Ground, Shielding, Flame Retardant	Kilometer	2480.00	3.5	8680
119	8*2*1.5mm2 On The Ground, Shielding, Flame Retardant	Kilometer	5981.50	2	11963
120	16*2*1.5mm2 On The Ground, Shielding, Flame Retardant	Kilometer	11088.00	0.5	5544
121	Loudspeakerelectric Cable	Kilometer	3433.33	0.3	1030
122	System Electric Cable	Kilometer	8581.32	3.8	32609
123	Electric Cablervvp-3x2.5mm2	Kilometer	1716.43	2.8	4806
124	Supporting Electric Cable	Kilometer	8566.67	0.03	257
125	Single Mode Optical Fiber Cable (Four Cores)	100M	257.43	28	7208
126	Metal Support Fabrication And Installation	Ton	619.87	4.167	2583
127	Instrumentation Line- Stainless Steel Tube	10 Meters	184.84	660	121997
128	Instrumentation Line- Carbon Steel Seamless Pipe	10 Meters	42.05	410	17240
129	Welded Steel Pipe	10 Meters	61.10	900	54990
130	Socket Welding Gate Valve	-	42.90	60	2574
131	Socket Welding Gate Valve	-	68.65	102	7002
132	Socket Welding Globe Valve	-	42.91	150	6436
133	Socket Welding Globe Valve	-	68.66	50	3433
134	Inside Screw Stainless Steel Ball Valve	-	68.65	200	13730
135	Internal Thread Stop Valve	-	102.98	90	9268
136	Reverse Blowing Special Valve Group	-	514.89	90	46340
137	Reverse Blowing The Current Limiting	-	137.30	90	12357

	Component				
138	Check Valve	-	68.66	90	6179
139	Conical Sealing Stop Valve	-	137.30	370	50802
140	Air Valve (Stainless Steel)	-	34.33	150	5149
141	Socket Welding Isolation Container	-	171.63	80	13730
142	Steam Trap	-	51.49	80	4119
143	Combined Instrument Electric Cable Groove Box (Aluminum Alloy)	Ton	4805.60	35	168196
144	Instrument Electric Cable2×1.5mm2	Kilometer	1081.26	120	129751
145	Instrument Electric Cable3×1.5mm2	Kilometer	1235.73	30	37072
146	Instrument Electric Cable2×2×1.5mm2	Kilometer	1853.67	3	5561
147	Instrument Electric Cable3×2.0mm2	Kilometer	1390.00	2.5	3475
148	Instrument Electric Cable4×2×1.5mm2	Kilometer	5406.29	3.5	18922
149	Instrument Electric Cable5×2×1.5mm2	Kilometer	6178.50	2	12357
150	Instrument Electric Cable8×2×1.5mm2	Kilometer	7723.50	2	15447
151	Instrument Electric Cable12×2×1.5mm2	Kilometer	9268.00	2.5	23170
152	Instrument Electric Cablekx-2x1.5	Kilometer	1699.12	58	98549
153	Instrument Electric Cablekx-8x2x1.5	Kilometer	9268.00	3	27804
154	Instrument Electric Cablekx-12x2x1.5	Kilometer	14674.33	3	44023
155	Instrument Electric Cablekx-2x1.5	Kilometer	2316.67	1.2	2780
156	Explosion-Proof Cable Introducing Device	-	17.16	600	10298
157	Seamless Stainless Steel Tubeφ14x2.2	米	34.33	800	27461
158	Pipe Fitting	Set	13.73	800	10984
159	Metal Support Fabrication And Installation	Ton	620.21	2.009	1246
160	Instrumentation Line-Stainless Steel Tube	10 Meters	184.85	310	57302
161	Instrumentation Line-Carbon Steel Seamless Pipe	10 Meters	42.05	123	5172
162	Welded Steel Pipe	10 Meters	61.10	440	26884
163	Inside Screw Stainless Steel Ball Valve	-	68.66	50	3433
164	Conical Sealing Stop Valve Pn5.0	-	68.66	90	6179
165	Conical Sealing Stop Valve Pn11.0	-	154.46	80	12357
166	Air Valve (Stainless Steel)	-	34.32	50	1716
167	Instrument Electric Cable2×1.5mm2	Kilometer	1081.25	28	30275
168	Instrument Electric Cable3×2.5mm2	Kilometer	1390.33	3	4171
169	Instrument Electric Cable4×(2×1.5)Mm2	Kilometer	5406.20	5	27031
170	Instrument Electric Cable12×(2×1.5)Mm2	Kilometer	9268.00	2	18536
171	Instrument Electric Cablekx-2x1.5mm2	Kilometer	1699.15	13	22089
172	Instrument Electric Cablekx-8x2x1.5mm2	Kilometer	9268.00	1	9268
173	Explosion-Proof Cable Introducing Device	-	17.17	200	3433

174	Foaming Agent	Set	343.00	1	343
175	Water Supply And Drainage Steel Pipe	Ton	985.98	169.5	167123
176	Cast Iron Pipe	10 Meters	397.93	136	54118
177	Valve	-	1657.84	44	72945
178	Coal Tar Epoxy Paint Anti-Corrosion Pipeline - An End Of Both Sides	10.2 M	28.32	315	8920
179	Coal Tar Epoxy Paint Anti-Corrosion Pipeline - Per A Cloth Of A Oil	10.2 M	28.83	315	9083
180	Outdoor Ground Hydrant	Set	686.50	14	9611
181	Fire Hose Reel	Set	2145.36	14	30035
182	Fire Gun Sp40azk-1.6	-	2059.56	9	18536
183	Eye Wash	10 Sets	10100.00	0.1	1010
TOTAL					25209977
		3) Flue Gas Desulfurization			
1	Steel Structure	Ton	599.11	56	33550
2	Platform Ladder	Ton	599.12	60	35947
3	A Moisture Barrier Layer, The Protective Layer Is Installed - Fire Retardant Coating Refractory Time: 2.5 Hours	10.2 M	92.25	28	2583
4	Apparatus With Rectangular Pipeline Anticorrosion - Red-Lead Epoxy Antirust Paint, Epoxy Enamel - Primer Two Times	10.2 M	13.18	167.28	2205
5	Apparatus With Rectangular Pipeline Anticorrosion - Red-Lead Epoxy Antirust Paint, Epoxy Paint Finish - Two Times	10.2 M	10.89	167.28	1821
6	Stainless Steel Tube	Ton	11169.04	24.87	277774
7	Carbon Steel Pipe	Ton	1084.80	12.17	13202
8	Compound Pipeline	Ton	1674.51	58.53	98009
9	Valve	-	585.15	362	211826
10	Filter	-	1929.64	11	21226
11	Double Hinge Type Expansion Joint	-	74889.00	1	74889
12	Proportional Connecting Rod Compound Free Type Expansion Joint	-	3994.00	3	11982
13	Proportional Connecting Rod Compound Free Type Expansion Joint	-	3494.67	3	10484
14	Column Type Anchoring Nail 06cr13	100-	167.76	49	8220
15	Network 06cr13	M2	109.24	290	31679
16	Insulated Lining Ld1	M3	666.01	290	193143
17	Wear Resistant Lining Lb1	M3	839.75	49.13	41257
18	Thermal Insulation - Fiber Products (Shell) - General Specifications - Magnesium	1.3 Meter	99.86	14	1398

	Aluminum Silicate				
19	Waterproof Materials	10.2 M	29.92	12	359
20	A Moisture Barrier Layer, The Protective Layer Is Installed - Sheet Metal Nail Outlet Pipeline And The Aluminum Skin	10.2 M	36.80	10	368
21	Pipeline Anticorrosion - Red-Lead Epoxy Antirust Paint, Epoxy Enamel - Primer Two Times	10.2 M	15.08	115	1734
22	Pipeline Anticorrosion Paint Alkyd Enamel - Other Types - Two Times	10.2 M	6.70	50	335
23	Pipeline Coating Inorganic Zinc-Rich Primer And Inorganic Zinc-Rich Primer Two Times	10.2 M	38.65	20	773
24	Pipeline Anticorrosion Paint - Other Types - Heat-Resistant Silicone Paint For Two Times	10.2 M	17.27	70	1209
25	Electric Cable Zra-Djyjpvp22-450/750v/30x2x2.5	Kilometer	26078.67	0.75	19559
26	Aluminum Alloy Electric Cable Bridge Through Bridge	Ton	2796.00	2	5592
27	Power Cablezra-Yjv22-8.7/15kv-3x70	Kilometer	17412.38	1.05	18283
28	Power Cablezra-Yjv22-0.6/1kv-3x95	Kilometer	17472.14	1.4	24461
29	Power Cablezra-Yjv22-8.7/15kv-3x95+2x35	Kilometer	28777.26	8.4	241729
30	Power Cablezra-Yjv22-0.6/1kv-3x70	Kilometer	12830.00	1.4	17962
31	Power Cablezra-Yjv22-0.6/1kv-3x35	Kilometer	6780.00	0.35	2373
32	Power Cablezra-Yjv22-0.6/1kv-3x25	Kilometer	5038.10	1.05	5290
33	Power Cablezra-Yjv22-0.6/1kv-3x16	Kilometer	3342.86	0.35	1170
34	Power Cablezra-Yjv22-0.6/1kv-3x6	Kilometer	1475.71	1.4	2066
35	Power Cablezra-Yjv22-0.6/1kv-3x10	Kilometer	2199.52	2.1	4619
36	Power Cablezra-Yjv22-0.6/1kv-3x2.5	Kilometer	741.43	0.7	519
37	Power Cablezra-Yjv22-0.6/1kv-5x4	Kilometer	1611.43	0.35	564
38	Power Cablezra-Yjv22-0.6/1kv-5x2.5	Kilometer	1161.22	2.45	2845
39	Control Cablezra-Kyjv22-0.5kv/7x2.5	Kilometer	1477.78	6.3	9310
40	Control Cablezra-Kyjv22-0.5kv/10x2.5	Kilometer	2537.14	2.45	6216
41	Cooling Cable Head 15kvhkln-3/2 70mm2	-	299.50	6	1797
42	Explosion-Proof Lampsbe1203-Ql50g	Set	139.79	80	11183
43	Explosion Proof Fluorescent Lampjc2000wy40x203bg	Set	99.85	20	1997
44	Explosion Proof Socket Bcx53-16/220x	Set	50.00	6	300
45	Explosion-Proof Flexible Tubebngii-700xg3/4"(Inner)	10-	119.75	4	479
46	Power Cablezra-Yjv22-0.6/1kv-5x4mm2	Kilometer	1610.00	0.3	483
47	Power Cablezra-Yjv22-0.6/1kv-3x4mm2	Kilometer	1027.50	0.4	411

48	Wire Bv-500v 2.5	Kilometer	200.00	1.2	240
49	Green Pvc Insulated Wire (Copper)10mm2	Meter	1.00	100	100
50	Green Pvc Insulated Wire (Copper)25mm2	Meter	2.50	50	125
51	Green Pvc Insulated Wire (Copper)50mm2	Meter	5.00	50	250
52	Green Pvc Insulated Wire (Copper)70mm2	Meter	7.00	40	280
53	Composite Type Anti-Corrosion Grounding Material -50x5	Meter	6.49	760	4933
54	Composite Type Anti-Corrosion Grounding Material -40x4	Meter	5.99	800	4793
55	Single Mode Optical Fiber Cable Gyxts-2b	Kilometer	1497.14	0.7	1048
56	Electric Cable Zr-Rvvp-0.5kv/3x2.5	Kilometer	674.29	0.7	472
57	Explosion-Proof Flexible Tube	10-	120.00	0.5	60
58	System Electric Cable System Sets	Kilometer	2995.00	0.2	599
59	Automatic Control Of Main Materials Installation - Metal Bracket	Ton	449.67	3	1349
60	Automatic Control Of Main Materials To Install -Instrumentation Line- Galvanized Steel Pipe	10 Meters	35.55	152	5403
61	Automatic Control Of Main Materials To Install -Instrumentation Line- Galvanized Steel Pipe	10 Meters	107.55	51	5485
62	Instrument Electric Cable 2x1.5mm2	Kilometer	755.80	5	3779
63	Instrument Electric Cable 3x1.5mm2	Kilometer	968.00	1	968
64	Instrument Electric Cable 1x2x2.5mm2	Kilometer	998.60	5	4993
65	Instrument Electric Cable 4x(2x1.5)Mm2	Kilometer	3147.00	1	3147
66	Instrument Electric Cable 8x(2x1.5）Mm2	Kilometer	5834.50	2	11669
67	Instrument Electric Cable 12x(2x1.5)Mm2	Kilometer	8373.50	4	33494
68	Instrument Electric Cable 4x(2x2.5)Mm2	Kilometer	4188.50	2	8377
69	Instrument Electric Cable 6x(3x1.5)Mm2	Kilometer	5536.00	0.5	2768
70	Instrument Electric Cable 3x1.5 Mm2	Kilometer	1249.00	3	3747
71	Instrument Electric Cable"K" 1x(2x1.5)Mm2	Kilometer	750.00	0.02	15
72	Instrument Electric Cablervv 2x1.0mm2	Kilometer	155.00	1	155
73	Instrument Electric Cablervv 3x1.0mm2	Kilometer	230.00	0.1	23
74	Instrument Electric Cablervv2x4mm2	Kilometer	700.00	0.05	35
75	Instrument Electric Cablervv 2x6mm2	Kilometer	1266.67	0.06	76
76	Instrument Electric Cablervv 1x16mm2	Kilometer	1140.00	0.1	114
77	Instrument Electric Cablervv 1x25mm2	Kilometer	1720.00	0.1	172
78	Explosion-Proof Electric Cable Introduction Device	-	14.98	100	1498
79	Automatic Control Of Main Material	10-	63.90	10	639

	Installation -Instrument Electric Cable				
80	The Trough Type Bridge Material: Aluminum Magnesium Alloy	Ton	2796.00	1	2796
81	Socket Welding Gate Valve Pn6.3 Dn20 Stainless Steel	-	49.92	50	2496
82	Conical Sealing Stop Valvepn6.3 Dn15 Φ22	-	29.95	60	1797
83	Conical Sealing Stop Valvepn6.3 Dn10 Φ18	-	29.95	20	599
84	Source Qg.Qy1 Pn2.5 Stainless Steel Ball Valve	-	15.00	10	150
85	Trap Pn1.6mpa Stainless Steel	-	29.97	30	899
86	Water Supply And Drainage Steel Pipe	Ton	599.53	4.25	2548
87	Coal Tar Epoxy Paint Anti-Corrosion Pipeline - An End Of Both Sides	10.2 M	16.50	10	165
88	Coal Tar Epoxy Paint Anti-Corrosion Pipeline - Per	10.2 M	16.80	10	168
89	Eye Washydx-G	10 Sets	11980.00	0.2	2396
TOTAL					1570001
	4) Fcc Gasoline Hydro-Desulphurization Unit				
1	Steel Structure	Ton	1231.17	520	640208
2	Steel Platform	Ton	1231.16	50	61558
3	Equipment Insulation - Fiber Bulk Materials - General Specifications - Alumina Silicate Fibre	1.3 M	189.41	130	24623
4	A Moisture Barrier Layer, The Protective Layer Is Installed - Fire Retardant Coating Refractory Time: 2.5 Hours	10.2 M	175.01	150	26252
5	A Moisture Barrier Layer, The Protective Layer Is Installed - Sheet Metal Nail Export - General Equipment - Aluminum Skin	10.2 M	72.73	171	12437
6	Coal Tar Epoxy Paint Anti-Corrosion - An End Of Both Sides	10.2 M	31.22	9	281
7	Coal Tar Epoxy Paint Anti-Corrosion - Per A Cloth Of A Oil	10.2 M	31.78	9	286
8	Antirust Paint, Epoxy Enamel - Primer Two Times	10.2 M	25.00	380	9501
9	Antirust Paint, Epoxy Paint Finish - Two Times	10.2 M	20.64	380	7845
10	Carbon Steel Pipe	Ton	1962.17	193.8821	380430
11	Stainless Steel Tube	Ton	18138.97	11.6	210412

12	Alloy Steel Pipe	Ton	7180.30	7.36	52847
13	Valve	-	507.27	1624	823804
14	Safety Valve	-	2059.87	31	63856
15	Y Type Strainer Pn2.0mpadn50	-	57.00	2	114
16	T Type Strainer Pn2.0mpadn200	-	203.50	4	814
17	T Type Strainer Pn2.0mpadn100	-	110.00	1	110
18	T Type Strainer Pn2.0mpadn100	-	109.75	4	439
19	Sight Glass Cl150dn50	-	530.00	1	530
20	Sight Glass Cl150dn40	-	530.30	10	5303
21	Flexible Nonmetallic Tubing (Nmt19s-18)Dn20	-	662.95	20	13259
22	Hydraulic Lifting Type Movable Operating Platform	-	4735.50	2	9471
23	Spring Hanger Installation - Spring Hanger	Ton	4735.27	16.5	78132
24	Fiber Products (Shell)	1.3 M	189.41	150	28412
25	Sheet Metal Screw Mouth	10.2 M	69.89	320	22366
26	Inorganic Zinc-Rich Primer Two Times	10.2 M	73.30	350	25656
27	Heat-Resistant Silicone Paint For Two Times	10.2 M	32.77	200	6554
28	Heat-Resistant Silicone Paint For Two Times	10.2 M	32.77	75	2458
29	Production And Installation Of Metal Structures - A Circular Furnace	Ton	1048.19	61.75	64726
30	Stainless Steel Tube Φ193.7×8.2	Ton	12576.90	10	125769
31	Apparatus With Rectangular Pipeline Oil Inorganic Zinc-Rich Paint Brush Two Times	10 M2	64.97	123.5	8024
32	Apparatus With Rectangular Pipeline Oil And Heat-Resistant Silicone Paint Brush Two Times	10 M2	32.01	123.5	3953
33	Gas Burner	Set	1704.75	4	6819
34	Fin Tubeφ193.7×8.2	Ton	21655.33	6	129932
35	Stainless Steel Sharp Bend Pipe -180°	Ton	37882.16	1.85	70082
36	Alloy Steel Castings	Ton	16100.00	1.1	17710
37	Doors	Ton	5890.61	2.45	14432
38	Carbon Steel Parts Accessories	Ton	5082.00	0.5	2541
39	Alloy Steel Parts	Ton	10182.86	0.35	3564
40	Smoke Wind Baffle (With Actuators)	Ton	10199.58	2.4	24479
41	Both Ends Of The Tube Plate	Ton	8623.03	3.3	28456
42	Pneumatic Quick Open Door	Set	1363.75	4	5455
43	Pneumatic Quick Open Door	Ton	5890.00	0.6	3534
44	Acoustic Wave Ash Blower	Set	7197.50	2	14395
45	Lightweight Refractory Lining	M3	757.65	51	38640

46	Ceramic Fiber Board	M3	852.32	12.5	10654
47	High Temperature Coating	M2	75.76	100	7576
48	Power Cable Termite-Proofzra-Yjv22-8.7/10kv-3x150mm²	Kilometer	71780.00	0.5	35890
49	Power Cable Termite-Proofzra-Yjv22-8.7/10kv-3x70mm²	Kilometer	38396.00	0.5	19198
50	Power Cable Termite-Proofzra-Yjv22-0.6/1kv/3x150mm²	Kilometer	58712.00	0.5	29356
51	Power Cable Termite-Proofzra-Yjv22-0.6/1kv/3x95mm²	Kilometer	37678.00	0.5	18839
52	Power Cable Termite-Proofzra-Yjv22-0.6/1kv/3x70mm²	Kilometer	27900.00	0.5	13950
53	Power Cable Termite-Proofzra-Yjv22-0.6/1kv/3x35mm²	Kilometer	14663.33	1.2	17596
54	Power Cable Termite-Proofzra-Yjv22-0.6/1kv/3x25mm²	Kilometer	10944.71	1.7	18606
55	Power Cable Termite-Proofzra-Yjv22-0.6/1kv/3x16mm²	Kilometer	7285.71	0.7	5100
56	Power Cable Termite-Proofzra-Yjv22-0.6/1kv/3x10mm²	Kilometer	4874.62	2.6	12674
57	Power Cable Termite-Proofzra-Yjv22-0.6/1kv/3x6mm²	Kilometer	3140.00	0.7	2198
58	Zra-Yjv22-0.6/1kv/3x4mm²	Kilometer	2285.33	3.68	8410
59	Zra-Yjv22-0.6/1kv/3x120+1x70mm²	Kilometer	56172.00	1	56172
60	Zra-Yjv22-0.6/1kv/3x35+1x25mm²	Kilometer	19143.48	0.23	4403
61	Zra-Yjv22-0.6/1kv/3x25+1x16mm²	Kilometer	13170.00	1.4	18438
62	Zra-Yjv22-0.6/1kv/4x4mm²	Kilometer	2876.25	0.8	2301
63	Control Cable Termite-Proofzra-Kyjv22-0.5kv/22x2.5	Kilometer	9643.33	0.3	2893
64	Control Cable Termite-Proofzra-Kyjv22-0.5kv/16x2.5	Kilometer	7200.00	0.3	2160
65	Control Cable Termite-Proofzra-Kyjv22-0.5kv/14x2.5	Kilometer	6368.00	1	6368
66	Control Cable Termite-Proofzra-Kyjv22-0.5kv/10x2.5mm²	Kilometer	4729.29	1.4	6621
67	Control Cable Termite-Proofzra-Kyjv22-0.5kv/4x2.5mm²	Kilometer	2116.00	1	2116
68	Control Cable Termite-Proofzra-Kyjv22-0.5kv/7x1.5mm²	Kilometer	2245.47	9.5	21332
69	Electric Cable Support	Ton	1894.11	48.4	91675
70	10kvcable Head（10kv,3x150mm2）	-	1136.50	4	4546
71	10kvcable Head（10kv,3x70mm2 ）	-	568.25	4	2273

72	Fireproof Blocking Material	Ton	3788.00	2	7576
73	Other Metal Stent - Galvanized Metal Support Fabrication And Installation	Ton	1121.69	16.6	18620
74	Fluorescent Lamp220v 2x36w	Set	227.30	60	13638
75	Explosion-Proof Lamp220v 1x50w	Set	284.12	260	73870
76	The Explosion-Proof Socket Device 220v 16a	Set	189.40	40	7576
77	Power Cablezr-Yjv-1kv/3x2.5mm2	Kilometer	1179.50	4	4718
78	Power Cablezr-Yjv-1kv/5x2.5mm2	Kilometer	1848.75	0.8	1479
79	Ground Conductorbv-0.5kv-1x70mm2	10 Meters	232.98	300	69893
80	Ground Conductorbv-0.5kv-1x25mm2	10 Meters	75.76	300	22729
81	Hot Dip Galvanized Steel Angle 50x50x5	-	9.81	48	471
82	Hot Galvanized Flat Steel 50x6	10 Meters	24.59	200	4917
83	Hot Galvanized Flat Steel 40x4	10 Meters	13.13	200	2625
84	Copper Wire Trj-35	10 Meters	56.80	15	852
85	Explosion-Proof Flexible Tube	-	28.42	12	341
86	Electric Cable2*2*1.5mm2、On The Ground, Shielding, Flame Retardant	Kilometer	2736.67	1.2	3284
87	Electric Cable16*2*1.5mm2、On The Ground, Shielding, Flame Retardant	Kilometer	12236.67	0.6	7342
88	Loudspeaker Electric Cable	Kilometer	1891.67	0.12	227
89	System Electric Cable	Kilometer	9470.91	1.1	10418
90	Single Mode Optical Fiber Cable (Single, Four Core, A Metal Reinforcing Core)	100 M	284.13	15	4262
91	Electric Cablervvp-3x2.5mm2	Kilometer	1894.00	1.5	2841
92	Support Electric Cable	Kilometer	9466.67	0.03	284
93	Metal Support Fabrication And Installation	Ton	684.14	5.455	3732
94	Automatic Control Of Main Materials To Install -Instrumentation Line- Galvanized Steel Pipe	10 Meters	67.43	720	48550
95	Instrumentation Line-Stainless Steel Tube	10 Meters	204.00	48	9792
96	Socket Welding Globe Valve Φ14	-	303.06	250	75764
97	Internal Thread Ball Valvepn2.0mpa G1-1/2"(F)	-	75.80	10	758
98	Internal Thread Ball Valvepn2.0mpa G1"(F)	-	75.80	10	758
99	Internal Thread Ball Valvepn2.0mpa G3/4"(F)	-	75.75	20	1515
100	Internal Thread Ball Valvepn2.0mpa G1/2"(F)	-	75.75	20	1515
101	Gas Ball Valve Pn2.0 G1/2"(F)-Φ8卡set	-	37.88	50	1894
102	Gas Ball Valvepn2.0 G1/2"(F)-Φ10卡set	-	37.90	10	379

103	Twisted Multi-Strand Flexibleelectric Cablec-12x2x1.5	Kilometer	9546.30	2.7	25775
104	Twisted Multi-Strand Flexibleelectric Cablec-2x1.5	Kilometer	1193.30	54	64438
105	Twisted Multi-Strand Flexibleelectric Cablec-3x1.5	Kilometer	1363.78	9	12274
106	Twisted Multi-Strand Flexibleelectric Cablec-4x1.5	Kilometer	2045.68	8.1	16570
107	Twisted Multi-Strand Flexibleelectric Cablec-3x2.5	Kilometer	1534.07	2.7	4142
108	Twisted Multi-Strand Flexibleelectric Cablekx-2x1.5	Kilometer	1875.16	22.5	42191
109	Twisted Multi-Strand Flexibleelectric Cablekx-8x2x1.5	Kilometer	11933.33	0.9	10740
110	Instrument Electric Cable Bridge (Aluminum Alloy)	Ton	5303.50	20	106070
111	Stainless Steel Tubeφ14x2.2	Meter	37.88	1500	56823
112	Foaming Agent	Set	379.00	1	379
113	Metal Hose End—Instrument Npt1/2(Inner)--Npt1/2(Outside)	-	18.94	400	7576
114	Metal Hose End—Instrument Npt3/4(Inner)--Npt3/4(Outside)	-	18.94	50	947
115	Flexible Pipe	10-	121.22	45	5455
116	Carbon Steel Pipe	Ton	1069.95	45.421	48598
117	Cast Iron Pipe	Meter	44.50	640	28480
118	Valve	-	936.00	26	24336
119	Coal Tar Epoxy Paint Anti-Corrosion Pipeline - An End Of Both Sides	10.2 M	31.25	150	4688
120	Coal Tar Epoxy Paint Anti-Corrosion Pipeline - Per A Cloth Of A Oil	10.2 M	31.82	150	4773
121	Fire Hose Reel	Set	2367.67	9	21309
TOTAL					4379998
5) Diesel Hydrotreating Unit					
1	Steel Structure	Ton	1009.06	1163	1173534
2	Platform Ladder	Ton	1009.06	120	121087
3	Equipment Insulation Fiber Bulk Materials Rockwool	1.3 M	84.76	100	8476
4	Equipment Insulation Fiber Aluminum Fiber (Plate)	1.3 M	155.24	200	31048
5	A Moisture Barrier Layer, The Protective Layer Is Installed - Sheet Metal Nail Export - General Equipment - Galvanized Steel Δ	10.2 M	77.62	350	27167

	=0.8				
6	Fire Protection Equipment	10.2 M	82.43	300	24730
7	Production And Installation Of Metal Structures - Vertical Square Furnace	Ton	857.54	292.3	250660
8	Apparatus With Rectangular Pipeline Oil Inorganic Zinc-Rich Paint Brush Two Times	10 M2	53.25	584.6	31128
9	Apparatus With Rectangular Pipeline Oil And Heat-Resistant Silicone Paint Brush Two Times	10 M2	26.24	584.6	15337
10	Sheet Metal Nail Export - General Equipment - Galvanized	10.2 M	59.60	15.92357	949
11	Cracking Tube - Φ 219*12.7	Ton	10307.92	38	391701
12	Burner	Set	1397.16	19	26546
13	Stainless Steel Sharp Bend Pipe Of Φ 219 × 14 -180 °	Ton	31048.00	5.5	170764
14	Stainless Steel Sharp Bend Pipe Of -180° Φ127×12	Ton	15990.00	0.8	12792
15	Stainless Steel High Finned Tube - Φ 219*14	Ton	17748.55	20	354971
16	Alloy Steel High Finned Tube - Φ 127*12	Ton	8834.40	10	88344
17	Doors	Ton	4828.00	5	24140
18	Alloy Steel Castings	Ton	13195.33	12	158344
19	Other Accessories Installation - Pipe Plate And Pipe Rack	Ton	7067.50	6	42405
20	Alloy Steel	Ton	7067.33	1.5	10601
21	Carbon Steel Installation Kit	Ton	3393.00	5	16965
22	Air Preheater (Casting)	Ton	4036.23	60	242174
23	High Alumina Refractory Brick	M3	756.15	20	15123
24	Ceramic Fiber Module	M3	788.77	130	102540
25	Lightweight Refractory Lining	M3	620.96	140	86934
26	Ceramic Fiber Products	M3	698.57	30	20957
27	Anticorrosion Painting	M2	62.10	500	31048
28	Carbon Steel Pipe	Ton	1921.37	555.2675	1066877
29	Stainless Steel Tube	Ton	20849.89	98.943	2062951
30	Alloy Steel Pipe	Ton	8923.93	10.858	96896
31	Valve	-	1233.44	2480	3058933
32	Safety Valve	-	6032.45	29	174941
33	Filter	-	628.20	25	15705
34	Operation Platform Esa800	-	3881.00	3	11643
35	Operation Platform Esc	-	3881.00	2	7762

36	Operation Platform Esd	-	3881.00	1	3881
37	Flexible Nonmetallic Tubing Nmt19s-18 Dn20	-	31.05	60	1863
38	Spring Hanger Installation And Metal Tube Frame Production Installation - Installation - Spring Hanger Spring Support And Hanger	Ton	3881.00	15	58215
39	Thermal Insulation - Fiber Products (Shell) - General Specifications Of Rockwool	1.3 M	155.24	730	113325
40	A Moisture Barrier Layer, The Protective Layer Is Installed - Sheet Metal Nail Galvanized Steel Pipe Mouth - - Δ =0.5	10.2 M	57.28	1300	74468
41	Pipeline Coating Inorganic Zinc-Rich Primer And Inorganic Zinc-Rich Primer Two Times	10.2 M	60.08	560	33644
42	Pipeline Anticorrosion Paint - Other Types - Heat-Resistant Silicone Paint For Two Times	10.2 M	26.86	320	8594
43	Pipeline Anticorrosion Paint - Other Types - Heat-Resistant Silicone Paint For Two Times	10.2 M	26.86	1600	42970
44	Power Cablezra-Yjv22-8.7/10kv-3x240mm²	Kilometer	86702.50	0.8	69362
45	Power Cablezra-Yjv22-8.7/10kv-3x150mm²	Kilometer	57731.25	0.8	46185
46	Power Cablezra-Yjv22-8.7/10kv-3x70mm²	Kilometer	30880.63	1.6	49409
47	Power Cablezra-Yjv22-0.6/1kv/3x95mm²	Kilometer	30303.18	1.824	55273
48	Power Cablezra-Yjv22-0.6/1kv/3x35mm²	Kilometer	11793.60	1.938	22856
49	Power Cablezra-Yjv22-0.6/1kv/3x25mm²	Kilometer	8802.26	12.056	106120
50	Power Cablezra-Yjv22-0.6/1kv/3x16mm²	Kilometer	5858.92	1.368	8015
51	Power Cablezra-Yjv22-0.6/1kv/3x10mm²	Kilometer	3920.47	3.772	14788
52	Power Cablezra-Yjv22-0.6/1kv/3x4mm²	Kilometer	1837.94	4.807	8835
53	Power Cablezra-Yjv22-0.6/1kv/3x120+1x70mm²	Kilometer	45177.84	1.805	81546
54	Power Cablezra-Yjv22-0.6/1kv/3x35+1x25mm²	Kilometer	15397.37	0.76	11702
55	Power Cablezra-Yjv22-0.6/1kv/3x25+1x16mm²	Kilometer	10592.28	1.425	15094
56	Power Cablezra-Yjv22-0.6/1kv/4x10mm²	Kilometer	5084.21	0.475	2415
57	Power Cablezra-Yjv22-0.6/1kv/4x4mm²	Kilometer	2312.98	1.425	3296
58	Control Cablezra-Kyjv22-0.5kv/22x2.5	Kilometer	7430.00	0.3	2229
59	Control Cablezra-Kyjv22-0.5kv/16x2.5	Kilometer	5546.67	0.3	1664
60	Control Cablezra-Kyjv22-0.5kv/14x2.5	Kilometer	4906.20	2.58	12658
61	Control Cablezra-Kyjv22-0.5kv/10x2.5mm²	Kilometer	3643.43	1.98	7214
62	Control Cablezra-Kyjv22-0.5kv/4x2.5mm²	Kilometer	1630.29	3.5	5706
63	Control Cablezra-Kyjv22-0.5kv/7x1.5mm²	Kilometer	1729.85	26.2	45322
64	Electric Cable（Aluminum Alloy Material）	Ton	1552.40	110	170764
65	10kvcable Head10kv,3x240mm2	-	1242.00	4	4968

66	10kvcable Head10kv,3x150mm2	-	931.50	4	3726
67	10kvcable Head10kv,3x70mm2	-	465.75	8	3726
68	Fireproof Blocking Material	Ton	3104.67	3	9314
69	Other Metal Stent - Galvanized Metal Support Fabrication And Installation	Ton	919.32	18.208	16739
70	Fluorescent Lamp220v 2x36w	Set	186.29	120	22355
71	Explosion-Proof Lamp220v 1x50w Vertical Rod	Set	232.86	400	93144
72	Power Cablezr-Yjv-1kv/3x2.5mm2	Kilometer	972.00	5	4860
73	Power Cablezr-Yjv-1kv/5x2.5mm2	Kilometer	1523.75	0.8	1219
74	Ground Conductor Bv-0.5kv-1x70mm2	10 Meters	152.77	30	4583
75	Ground Conductor Bv-0.5kv-1x25mm2	10 Meters	49.67	30	1490
76	Hot Dip Galvanized Steel Angle 50x50x5	-	8.03	65	522
77	Hot Galvanized Flat Steel50x6	10 Meters	20.15	300	6045
78	Hot Galvanized Flat Steel40x4	10 Meters	10.76	300	3227
79	Copper Wiretrj-35	10 Meters	46.57	23	1071
80	Explosion-Proof Flexible Tube	-	23.33	6	140
81	Electric Cable2*2*1.5mm2、On The Ground, Shielding, Flame Retardant	Kilometer	2243.00	2	4486
82	Electric Cable16*2*1.5mm2、On The Ground, Shielding, Flame Retardant	Kilometer	10028.57	1.4	14040
83	Loudspeaker Electric Cable	Kilometer	1553.33	0.15	233
84	System Electric Cable	Kilometer	7762.00	1.5	11643
85	Single Mode Optical Fiber Cable Single-Mode, Four Core	100 M	232.83	18	4191
86	Electric Cablervvp-3x2.5mm2	Kilometer	1552.22	1.8	2794
87	Supporting Electric Cable	Kilometer	7766.67	0.03	233
88	Metal Support Fabrication And Installation	Ton	560.70	7.521	4217
89	Automatic Control Of Main Materials To Install -Instrumentation Line- Galvanized Steel Pipe	10 Meters	55.27	1750	96714
90	Instrumentation Line-Stainless Steel Tube	10 Meters	167.20	60	10032
91	Internal Thread Ball Valve	-	62.10	80	4968
92	Gas Ball Valve	-	31.05	120	3726
93	Foaming Agent	Set	310.00	1	310
94	Soft Electric Cablec-8x3x1.5	Kilometer	5821.39	3.6	20957
95	Soft Electric Cablec-12x2x1.5	Kilometer	6520.11	9.4	61289
96	Soft Electric Cablec-2x1.5	Kilometer	815.01	108	88021
97	Soft Electric Cablec-3x1.5	Kilometer	931.42	22.5	20957
98	Soft Electric Cablec-4x1.5	Kilometer	1397.19	13.5	18862

99	Soft Electric Cablec-3x2.5	Kilometer	1047.78	2.7	2829
100	A Plurality Of Soft Wire Compensation Kx-2x1.5	Kilometer	1280.72	40.5	51869
101	A Plurality Of Soft Wire Compensation Kx-12x2x1.5	Kilometer	11060.56	1.8	19909
102	Instrument Electric Cable Bridge (Aluminum Alloy)	Ton	4346.70	30	130401
103	Break Valve	-	186.29	500	93144
104	Double Valve	-	186.29	150	27943
105	Overcurrent Protection Valve	-	186.30	20	3726
106	Carbon Steel Pipe	Kilometer	23187.90	2.033	47141
107	Cast Iron Pipe	Kilometer	37228.03	0.785	29224
108	Valve	-	985.55	22	21682
109	Pipeline Of Asphalt Felt, Asphalt, Coal Tar Epoxy Glass Cloth,	10.2 M	25.61	109	2792
110	Pipeline Of Asphalt Felt, Asphalt, Coal Tar Epoxy Glass Cloth,	10.2 M	8.70	109	948
111	Cast Iron Pipe, Radiator Anti-Corrosion Asphalt Paint	10.2 M	8.70	69	600
112	Fire Hose Reel	Set	1940.50	10	19405
TOTAL					12050001
6) Jet Fuel Hydrogenation					
1	Platform Ladder	Ton	610.96	50	30548
2	Equipment Insulation - Fiber Bulk Materials - General Specifications - Aluminium Silicate Fiber	1.3 M	101.83	100	10183
3	Sheet Metal Hanging Mouth - General Equipment - Aluminum Skin	10.2 M	50.91	125	6364
4	Fire Retardant Coating Refractory Time: 3 Hours	10.2 M	107.53	30	3226
5	Steel Structure		620.92	307	190622
6	Mechanism Of Lubricating Oil	Ton	1527.64	1.664	2542
7	Packing Cylinder Lubricating Oil	Ton	1530.12	0.083	127
8	Production And Installation Of Metal Structures - Cylindrical Furnace	Ton	642.43	51	32764
9	Apparatus With Rectangular Pipeline Anticorrosion Inorganic Zinc-Rich Primer And Inorganic Zinc-Rich Primer Two Times	10.2 M	34.93	142.8	4988
10	Apparatus With Rectangular Pipeline Anticorrosion Paint - Other Types - Heat-Resistant Silicone Paint For Two Times	10.2 M	17.21	142.8	2457

11	Stainless Steel Furnace Tube -Φ152×12	Ton	9124.89	4.5	41062
12	Gas Burner (With Plasma Flame Monitor)	Set	2612.00	2	5224
13	Stainless Steel Sharp Bend Pipe -180 ° Φ152×12	Ton	20366.00	1	20366
14	Stainless Steel Sharp Bend Pipe -90 ° Φ152×12	Ton	20366.00	0.5	10183
15	Stainless Steel High Finned Tube -Φ152×12	Ton	11484.57	3.5	40196
16	Other Accessories Installation Of - Zg40cr25ni20 (Stainless Steel)	Ton	10330.67	1.5	15496
17	Other Accessories Installation (Carbon Steel) - Thermocouple Cannula	Ton	2732.00	1.5	4098
18	Other Accessories Installation (Alloy Steel)-Cr9mo	Ton	5474.00	0.5	2737
19	Tube Plate And Tube Frame (Carbon Steel)	Ton	2468.50	2	4937
20	Doors	Ton	3167.00	2	6334
21	Damper 18-8>65%	Ton	5483.00	1	5483
22	Doors	Ton	3167.50	0.4	1267
23	Metal Expansion Joint	-	1222.00	2	2444
24	Liner, Insulation Fiber Module	1.3 M	1159.00	25	28975
25	Refractory Lining -Sj140-1.6 High Aluminum Casting Material Classification Temperature 1400 ℃	1.3 M	513.20	20	10264
26	Production And Installation Of Metal Structures - Cylindrical Furnace	Ton	642.43	53.6	34434
27	Apparatus With Rectangular Pipeline Anticorrosion Inorganic Zinc-Rich Primer And Inorganic Zinc-Rich Primer Two Times	10.2 M	34.93	150.08	5242
28	Apparatus With Rectangular Pipeline Anticorrosion Paint - Other Types - Heat-Resistant Silicone Paint For Two Times	10.2 M	17.21	150.08	2583
29	Carbon Steel Pipe -Φ152×12	Ton	1447.33	6	8684
30	Gas Burner (With Plasma Flame Monitor)	Set	2612.00	4	10448
31	Carbon Steel Pipe -180° Φ152×12	Ton	4720.00	1.3	6136
32	Carbon Steel Pipe -90° Φ152×12	Ton	5900.00	0.7	4130
33	Carbon Steelhigh Finned Tube -Φ152×12	Ton	1730.55	5.5	9518
34	Other Accessories Installation (Stainless Steel)-Zg40cr25ni20	Ton	10330.67	1.5	15496
35	Flue Damper 18-8>65%	Ton	5483.50	2	10967
36	Other Accessories Installation (Carbon Steel) - Thermocouple Cannula	Ton	2732.00	2	5464
37	Other Accessories Installation Of - Zg35cr25ni12 (Stainless Steel)	Ton	8967.00	1	8967

38	Insulation Nail Installation Of Stainless Steel	Ton	9301.67	0.6	5581
39	Doors	Ton	3166.67	2.4	7600
40	Tube Plate And Tube Frame (Carbon Steel)	Ton	2468.36	5.5	13576
41	Doors	Ton	3166.67	0.6	1900
42	Metal Expansion Joint	-	1222.00	2	2444
43	Fireclay Insulating Refractory Brick Ng-1.3-Common Type	1.3 M	374.40	10	3744
44	Refractory Lining -Sj140-1.6 High Aluminum Casting Material Classification Temperature 1400 ℃	1.3 M	513.20	20	10264
45	Liner, Insulation Fiber Module	1.3 M	1159.00	25	28975
46	Masonry Furnace Refractory Mud And Cement Plastering Δ =20 Mm	10.2 M	17.00	10	170
47	Stainless Steel Tube	Ton	8773.72	3.752	32919
48	Carbon Steel Pipe	Ton	1134.99	83.25	94488
49	Valve	-	85.81	2541	218055
50	Safety Valve	-	1497.47	17	25457
51	Filter	-	265.54	13	3452
52	Es Type Multifunctional Movable Hydraulic Lift Type Esa Width 800mm	-	2546.00	1	2546
53	Es Type Multifunctional Movable Hydraulic Lift Type Esb Width 800mm	-	2546.00	1	2546
54	Es Type Multifunctional Movable Hydraulic Lift Type Esc Width 800mm	-	2546.00	1	2546
55	Es Type Multifunctional Movable Hydraulic Lift Type Esd Width 600mm	-	2546.00	1	2546
56	Mixermix150x100-11.0-06cr18ni11ti	-	509.00	1	509
57	Mixermix150x100-5.0-20#	-	509.00	1	509
58	Mixermix150x100-2.0-20#	-	509.00	1	509
59	Spring Hanger	Ton	3869.33	3	11608
60	Steel Wire Braided Hose (Steam) Dn20 15m/ Root	-	631.35	20	12627
61	Folder Cloth Hose (Water, Air, Nitrogen) Dn20 15m/ Root	-	61.10	20	1222
62	Thermal Insulation - Fiber Products (Shell) - General Specifications - Aluminium Silicate Fiber	1.3 M	122.19	185	22606
63	Valve Insulation - Fiber Bulk Materials - General Specifications - Aluminium Silicate Fiber	1.3 M	112.00	20	2240
64	Sheet Metal Nail Outlet Pipeline And The Aluminum Skin	10.2 M	50.91	380	19347

65	Pipeline Coating Inorganic Zinc-Rich Primer And Inorganic Zinc-Rich Primer Two Times	10.2 M	39.40	60	2364
66	Pipeline Anticorrosion Paint - - Other Types Of Antirust Paint Two Times	10.2 M	7.13	72	513
67	Pipeline Anticorrosion Paint Alkyd Enamel - Other Types - Two Times	10.2 M	6.82	72	491
68	Pipeline Anticorrosion Paint Of Alkyd Varnish - Other Types - Two Times	10.2 M	4.08	30.4	124
69	Pipeline Anticorrosion Paint - Other Types - Heat-Resistant Silicone Paint For Two Times	10.2 M	17.63	8	141
70	Pipeline Anticorrosion Paint - Other Types - Heat-Resistant Silicone Paint For Two Times	10.2 M	17.63	8	141
71	Fireproof Composite Type Electric Cable Bridge	Ton	1425.60	30	42768
72	Power Cableza-Yjv22-0.6/1kv-3x150mm2	Kilometer	29655.36	0.56	16607
73	Power Cableza-Yjv22-0.6/1kv-3x120mm2	Kilometer	23973.91	2.3	55140
74	Power Cableza-Yjv22-0.6/1kv-3x70mm2	Kilometer	14092.86	0.56	7892
75	Power Cableza-Yjv22-0.6/1kv-3x50mm2	Kilometer	10080.36	0.56	5645
76	Power Cableza-Yjv22-0.6/1kv-3x25mm2	Kilometer	5509.29	1.4	7713
77	Power Cableza-Yjv22-0.6/1kv-3x16mm2	Kilometer	3646.43	0.56	2042
78	Power Cableza-Yjv22-0.6/1kv-3x10mm2	Kilometer	2415.00	1.8	4347
79	Power Cableza-Yjv22-0.6/1kv-3x4mm2	Kilometer	1124.71	1.7	1912
80	Power Cableza-Yjv22-0.6/1kv-3x120+2x70mm2	Kilometer	33139.17	1.2	39767
81	Power Cableza-Yjv22-0.6/1kv-3x70+2x35mm2	Kilometer	18888.89	0.9	17000
82	Power Cableza-Yjv22-0.6/1kv-3x35+2x25mm2	Kilometer	10902.22	0.9	9812
83	Power Cableza-Yjv22-0.6/1kv-5x16mm2	Kilometer	5899.44	1.8	10619
84	Power Cableza-Yjv22-0.6/1kv-5x6mm2	Kilometer	2465.00	1.2	2958
85	Power Cableza-Yjv22-0.6/1kv-5x4mm2	Kilometer	1750.00	0.3	525
86	Power Cablenh-Yjv22-0.6/1kv-3x50+2x25mm2	Kilometer	18186.00	1	18186
87	Power Cablenh-Yjv22-0.6/1kv-5x6mm2	Kilometer	3280.33	3	9841
88	Power Cableza-Bpyjvp2-0.6/1kv-3x35+3x6mm2	Kilometer	10797.86	1.4	15117
89	Power Cableza-Bpyjvp2-0.6/1kv-3x25+3x4mm2	Kilometer	7961.43	0.7	5573
90	Control Cableza-Yjv22-0.45/0.75kv-14x2.5mm2	Kilometer	3021.71	3.5	10576
91	Control Cableza-Yjv22-0.45/0.75kv-10x2.5mm2	Kilometer	2242.78	9	20185

92	Control Cableza-Yjv22-0.45/0.75kv-10x1.5mm2	Kilometer	1468.40	5	7342
93	Fireproof Blocking Material	Ton	2036.67	3	6110
94	Metal Stent - Galvanized Metal Support Fabrication And Installation	Ton	669.10	0.958	641
95	Metal Stent - Non Galvanized Metal Support Fabrication And Installation	Ton	491.30	11.72	5758
96	Fluorescent Lamp	Set	122.19	110	13441
97	Metallic Halogen Lamp	Set	152.73	30	4582
98	Explosion-Proof Lamp	Set	152.74	360	54987
99	Explosion Proof Lighting Device Area	10set	337.46	50	16873
100	Lamp	Set	8146.33	3	24439
101	Marker Lamp - Chimney, Independent Type Tower Lights	10set	640.00	0.3	192
102	Power Cablezra-Yjv22-0.6/1kv-5x2.5mm2	Kilometer	1234.29	0.7	864
103	Power Cablezra-Yjv22-0.6/1kv-3x2.5mm2	Kilometer	808.06	9.8	7919
104	Yellow And White Pvc Insulated Copper Wire Bv-500 70mm2	M	7.43	900	6690
105	Yellow And White Pvc Insulated Copper Wirebv-500　50mm2	M	6.62	600	3971
106	Yellow And White Pvc Insulated Copper Wirebv-500　25mm2	M	3.26	200	652
107	Yellow And White Pvc Insulated Copper Wirebv-500　16mm2	M	2.14	300	642
108	Galvanized Steel	Ton	661.85	9.268	6134
109	Electric Cablezr-Djypvr-3x2x2.5mm2	Kilometer	2442.50	1.2	2931
110	Explosion-Proof Flexible Tube	-	15.28	50	764
111	Speaker Electric Cable	Kilometer	2033.33	0.09	183
112	System Electric Cable	Kilometer	5091.25	0.8	4073
113	Intergrated Electric Cable	Kilometer	5090.00	0.1	509
114	Single Mode Optical Fiber Cable	Kilometer	509.00	2	1018
115	Phone Electric Cablezr-Rvvp-3x2.5mm2	Kilometer	905.50	2	1811
116	Metal Stents And Other Metal Support Fabrication And Installation	Ton	514.90	8.39	4320
117	Instrumentation Line-Stainless Steel Tube	10 Meters	93.17	520.6	48506
118	Instrumentation Line-Carbon Steel Seamless Pipe	10 Meters	22.50	1288.6	28999
119	Instrumentation Line- Galvanized Steel Pipe	10 Meters	32.58	1105	36006
120	Stainless Steel Gas Ball Valve Full-Bore, "Rc1/2 - Φ 8 Material: Ss304	-	32.59	58	1890
121	Stainless Steel Gas Ball Valve Full Size,	-	32.60	5	163

	Rc1/2 - Φ 12 "				
122	External Threaded Block Valvecarbon Steel	-	28.52	58	1654
123	External Threaded Block Valvess 321	-	31.60	10	316
124	External Threaded Block Valvecarbon Steel	-	38.69	300	11608
125	External Threaded Block Valvess 321	-	40.72	18	733
126	Socket Welding Gate Valvepn6.3 Dn10 Φ18 Carbon Steel	-	31.57	410	12942
127	Socket Welding Gate Valvepn6.3 Dn15 Φ22 Carbon Steel	-	35.63	30	1069
128	Socket Welding Gate Valvepn6.3 Dn20 Φ27 Carbon Steel	-	38.70	30	1161
129	Internal Thread Ball Valvepn2.5 Material：Ss304dn15 Rc1/2	-	32.60	10	326
130	Internal Thread Ball Valvepn2.5 Material：Ss304dn20 Rc3/4	-	35.67	6	214
131	Internal Thread Ball Valvepn2.5 Material：Ss304dn25 Rc1	-	40.75	4	163
132	Flange Gate Valves Pn5.0 Dn20 Rf Carbon Steel Core Material: 13cr	-	45.83	30	1375
133	Flange Gate Valves Pn5.0 Dn20 Rf Ss 321	-	56.00	22	1232
134	Flanged Gate Valvepn5.0 Dn20 Rf Pn11.0 Dn20 Rf Ss 321	-	63.15	20	1263
135	Differential Pressure Transmitter Split Three Valve Set Pressure Joint Φ14ss 321	-	96.74	50	4837
136	Rc1/2 "Pn2.5 Dn15carbon Steel Steam Trap Valve Material: 13cr	-	25.46	210	5346
137	Flexible Hose Connection G3/4 "(Inside) - Npt1/2" (Outside)	-	16.29	500	8146
138	Device Connection Box And Pump Unit, Heating Furnace, Junction Box With G3/4 "(Outer) --G3/4" (Outside)	-	16.29	220	3584
139	Device Connection Box And Pump Unit, Heating Furnace, Junction Box With G1 "(Outer) --G1" (Outside)	-	16.29	70	1140
140	Device Connection Box And Pump Unit, Heating Furnace, Junction Box With G1-1/2 "(Outer) --G1-1/2" (Outside)	-	16.29	90	1466
141	Computer Signal Electric Cable1×(2×1.5)Mm2	Kilometer	661.89	62	41037
142	Computer Signal Electric Cable2×(2×1.5)Mm2	Kilometer	1221.95	22	26883
143	Computer Signal Electric Cable4×(2×1.5)Mm2	Kilometer	2240.19	16	35843

144	Computer Signal Electric Cable4×(3×1.5)Mm2	Kilometer	4073.00	4	16292
145	Computer Signal Electric Cable8×(3×1.5)Mm2	Kilometer	6618.86	7	46332
146	Computer Signal Electric Cable12×(2×1.5)Mm2	Kilometer	6618.82	11	72807
147	Computer Signal Electric Cable12×(3×1.5)Mm2	Kilometer	8146.17	6	48877
148	Computer Signal Electric Cable1×(3×2.5)Mm2	Kilometer	1323.83	6	7943
149	Thermocouple Extension Soft Wire (Round)R-Kx2×1.5mm2	Kilometer	1527.43	42	64152
150	Thermocouple Extension Soft Wire (Round)Zr-Kx3×(2×1.5)Mm2	Kilometer	3564.00	2	7128
151	Thermocouple Extension Soft Wire (Round)Zr-Kx12×(2×1.5)Mm2	Kilometer	12219.00	1	12219
152	Copper Core Pe Insulated Flexible Cords 1×10.0mm2	Kilometer	4073.33	1.2	4888
153	Copper Core Pe Insulated Flexible Cords 1×2.5mm2	Kilometer	3055.00	0.2	611
154	Copper Core Pe Insulated And Sheathed Flexible Cord 2×6.0mm2	Kilometer	3564.00	0.5	1782
155	Copper Core Pe Insulated And Sheathed Flexible Cord 2×4.0mm2	Kilometer	3055.00	1.8	5499
156	Non Metal Refractory Bridge	M2	24.44	1360	33237
157	Thermal Insulation - Fiber Products (Shell) - General Specifications - Aluminium Silicate Fiber	1.3 M	122.20	20	2444
158	Sheet Metal Nail Outlet Pipeline And The Aluminum Skin	10.2 M	50.90	10	509
159	Carbon Steel Pipe	Ton	628.02	8.436	5298
160	Valve	-	3152.50	2	6305
161	Pipeline Anticorrosion - Reinforced Polyethylene Tape	10.2 M	214.83	12	2578
162	]Wind Vane	-	101.83	6	611
163	Medical First Aid Kit	-	51.00	1	51
164	Warning Mark	Set	20366.00	1	20366
165	Eye Wash　Antifreeze Ty-X-I	-	1527.00	1	1527
166	Sfc50-5.0-20#	-	356.50	2	713
167	Mf8 Portable Dry Powder Fire Extinguisher	-	40.73	60	2444
168	Mft35 Cart-Type Dry Powder Fire Extinguisher	-	203.60	5	1018

169	Mx-2 Fire Extinguisher Box	-	32.60	30	978
170	Non Self Discharging Type Fire Hose Reel	-	814.50	2	1629
171	Self Discharging Type Fire Hose Reel	-	814.60	5	4073
TOTAL					2270000
7) CCR Unit(Including Pre-Hydrogenation)					
1	Steel Structure	Ton	1373.06	2657	3648210
2	Technology Platform Ladder	Ton	1373.06	180	247150
3	Equipment Insulation - Fiber Bulk Materials - General Specifications - Aluminium Silicate Fiber	1.3 M	211.24	385	81327
4	Equipment Insulation - Foam Pad - General Specifications - Polyurethane Foam	1.3 M	476.50	2	953
5	A Moisture Barrier Layer, The Protective Layer Is Installed - Sheet Metal Nail Export - General Equipment - Aluminum Skin	10.2 M	77.95	370	28841
6	Apparatus With Rectangular Pipeline Anticorrosion - Red-Lead Epoxy Antirust Paint, Epoxy Enamel - Primer Two Times	10.2 M	27.88	470	13105
7	Apparatus With Rectangular Pipeline Anticorrosion - Red-Lead Epoxy Antirust Paint, Epoxy Paint Finish - Two Times	10.2 M	23.03	470	10822
8	A Moisture Barrier Layer, The Protective Layer Is Installed - Fire Retardant Coating Refractory Time: 2.5 Hours	10.2 M	195.18	250	48796
9	Production And Installation Of Metal Structures - Vertical Square Furnace	Ton	1166.89	681	794650
10	Apparatus With Rectangular Pipeline Oil Inorganic Zinc-Rich Paint Brush Two Times	10 M2	72.46	1362	98684
11	Apparatus With Rectangular Pipeline Oil And Heat-Resistant Silicone Paint Brush Two Times	10 M2	35.70	1362	48623
12	Sheet Metal Nail Export - General Equipment - Galvanized Steel Sheet Δ=0.8	10.2 M	81.11	31.84713	2583
13	Alloy Steel Furnace Pipe Of Φ 114 × 10 (Introduction)	Ton	9345.66	37.6	351397
14	Alloy Steel Furnace Pipe Of Φ 89 × 10 (Introduction)	Ton	9350.40	17.4	162697
15	Carbon Steel Furnace Tube -Φ114×10	Ton	2872.03	14.3	41070
16	Alloy Steel Furnace Pipe Of Φ 114 × 10 (Introduction)	Ton	9358.00	1	9358
17	Gas Burner	Set	1901.16	45	85552
18	Alloy Steel Sharp Bend Pipe -180°	Ton	28866.67	0.15	4330

	Φ114×10（Draw Into）				
19	Carbon Steel Sharp Bend-180° Φ102×10-180° Φ114×10	Ton	9791.26	1.03	10085
20	Big Bend Φ114.3×6.02（Draw Into）	Ton	9353.30	11.5	107563
21	Big Bend Φ88.9×5.49（Draw Into）	Ton	9351.67	4.8	44888
22	Big Bend Processing Fee	Ton	10561.96	16.3	172160
23	Furnace Tube	Ton	2872.01	94.4	271118
24	Fin Material And Processing Cost	Ton	12674.36	23.6	299115
25	Alloy Steel High Finned Tube - Φ 114 × 10	Ton	12021.21	14.9	179116
26	Radiation Collecting Duct - Φ 660.4 × 25.4	Ton	25021.31	35	875746
27	Convection Pipe Of Φ 273 × 18	Ton	12511.11	0.36	4504
28	Convection Pipe Of Φ 219 × 18.26	Ton	25021.88	0.64	16014
29	Convection Pipe Of Φ 325 × 20	Ton	25020.83	0.48	12010
30	Seamless Eccentric Reducer	Ton	11357.50	1.6	18172
31	Collection Tube Steel Flange And The Connecting Piece	Ton	11357.43	7	79502
32	Alloy Steel Castings	Ton	17955.33	9	161598
33	Alloy Steel Castings	Ton	17955.33	6	107732
34	Convection Both Ends Of The Tube Plate	Ton	5120.74	1.35	6913
35	Convection Both Ends Of The Tube Plate	Ton	18602.86	3.15	58599
36	Carbon Steel Parts, Accessories	Ton	4617.03	6.4	29549
37	Alloy Steel Parts	Ton	18603.00	2	37206
38	Temperature Nail Stainless Steel	Ton	19296.67	3	57890
39	Sealed Butterfly Valve And The Chimney Damper (With Pneumatic Actuators)	Ton	11375.20	5	56876
40	Spring Hanger (A) Frame	Ton	5669.67	15	85045
41	Lightweight Refractory Lining	M3	844.96	185	156317
42	High Alumina Refractory Brick	M3	1028.95	110	113184
43	Fire Clay	10 M2	35.28	75	2646
44	Aluminosilicate Refractory Fiber Block	1.3 M	1478.68	460	680191
45	Sealing Sleeve Cloth	Set	101395.00	1	101395
46	Anti Dew Point Corrosion Coating	M2	147.87	800	118294
47	Production And Installation Of Metal Structures - Vertical Square Furnace	Ton	1166.88	62.9	73397
48	Apparatus With Rectangular Pipeline Brush Oil Inorganic Zinc Rich Primer Two Times	10 M2	72.46	125.8	9115
49	Apparatus With Rectangular Pipeline Oil And Heat-Resistant Silicone Paint Brush Two Times	10 M2	35.70	125.8	4491

50	Sheet Metal Nail Export - General Equipment - Galvanized	10.2 M	81.14	15.9235 7	1292
51	Stainless Steel Furnace Pipe Of Φ 152 × 12	Ton	14026.27	15	210394
52	Gas Burner	Set	1901.20	5	9506
53	Stainless Steel Sharp Bend Pipe Of Φ 152 × 12 -180 °	Ton	42248.00	2	84496
54	Stainless Steel High Finned Tube - Φ 152 × 12	Ton	23824.64	11	262071
55	Alloy Steel Castings	Ton	17955.33	1.5	26933
56	Carbon Steel Parts Accessories	Ton	4617.00	1	4617
57	Insulation Nails Stainless Steel	Ton	19296.00	0.5	9648
58	Rotary Soot Blower	Set	2429.25	4	9717
59	Chimney Damper (With Actuators)	Ton	11375.00	1.2	13650
60	Metal Compensator	Ton	8050.00	0.5	4025
61	Both Ends Of The Tube Plate	Ton	5120.33	3	15361
62	Lightweight Refractory Lining	M3	844.96	25	21124
63	Refractory Fiber Lining	M3	1210.83	40	48433
64	Production And Installation Of Metal Structures - Vertical Square Furnace	Ton	1166.88	62.9	73397
65	Apparatus With Rectangular Pipeline Oil Inorganic Zinc-Rich Paint Brush Two Times	10 M2	72.46	125.8	9115
66	Apparatus With Rectangular Pipeline Oil And Heat-Resistant Silicone Paint Brush Two Times	10 M2	35.70	125.8	4491
67	Sheet Metal Nail Export - General Equipment - Galvanized	10.2 M	81.14	15.9235 7	1292
68	Carbon Steelfurnace Tube-Φ152×8	Ton	3002.50	2	6005
69	Carbon Steel Furnace Tube-Φ168×8	Ton	3002.57	14	42036
70	Gas Burner	Set	1901.20	5	9506
71	Bends Pipe Installation Of Φ 152 × -180 ° 12-180 ° Φ 219 × 14	Ton	10443.50	2	20887
72	Carbon Steel High Finned Tube - Φ 152 × 12	Ton	3590.00	10	35900
73	Alloy Steel Castings	Ton	17955.33	1.5	26933
74	Carbon Steel, Parts Accessories	Ton	4617.00	1	4617
75	Insulation Nails Stainless Steel	Ton	19296.00	0.5	9648
76	Rotary Soot Blower	Set	2429.25	4	9717
77	Chimney Damper (With Actuators)	Ton	11375.00	1.2	13650
78	Metal Compensator	Ton	8050.00	0.5	4025
79	Both Ends Of The Tube Plate	Ton	5120.33	3	15361
80	Lightweight Refractory Lining	M3	844.96	25	21124

81	Refractory Fiber Lining	M3	1210.83	40	48433
82	Production And Installation Of Metal Structures - Vertical Square Furnace	Ton	1166.88	62.9	73397
83	Apparatus With Rectangular Pipeline Oil Inorganic Zinc-Rich Paint Brush Two Times	10 M2	72.46	125.8	9115
84	Apparatus With Rectangular Pipeline Oil And Heat-Resistant Silicone Paint Brush Two Times	10 M2	35.70	125.8	4491
85	Sheet Metal Nail Export - General Equipment - Galvanized	10.2 M	81.14	15.92357	1292
86	Carbon Steel Furnace Tube-Φ152×8	Ton	3002.50	2	6005
87	Carbon Steel Furnace Tube-Φ168×8	Ton	3002.57	14	42036
88	Gas Burner	Set	1901.20	5	9506
89	Bends Pipe Installation 180° Φ152×12-180° Φ219×14	Ton	10443.50	2	20887
90	Carbon Steel High Finned Tube -Φ152×12	Ton	3590.00	10	35900
91	Alloy Steel Castings	Ton	17955.33	1.5	26933
92	Carbon Steel, Parts Accessories	Ton	4617.00	1	4617
93	Insulation Nails Stainless Steel	Ton	19296.00	0.5	9648
94	Rotary Soot Blower	Set	2429.25	4	9717
95	Chimney Damper (With Actuators)	Ton	11375.00	1.2	13650
96	Metal Compensator	Ton	8050.00	0.5	4025
97	Both Ends Of The Tube Plate	Ton	5120.33	3	15361
98	Lightweight Refractory Lining	M3	844.96	25	21124
99	Refractory Fiber Lining	M3	1210.83	40	48433
100	Production And Installation Of Metal Structures - Vertical Square Furnace	Ton	1166.88	62.9	73397
101	Apparatus With Rectangular Pipeline Oil Inorganic Zinc-Rich Paint Brush Two Times	10 M2	72.46	125.8	9115
102	Apparatus With Rectangular Pipeline Oil And Heat-Resistant Silicone Paint Brush Two Times	10 M2	35.70	125.8	4491
103	Sheet Metal Nail Export - General Equipment - Galvanized	10.2 M	81.14	15.92357	1292
104	Carbon Steelfurnace Tube-Φ152×8	Ton	3002.50	2	6005
105	Carbon Steelfurnace Tube-Φ168×8	Ton	3002.57	14	42036
106	Gas Burner	Set	1901.20	5	9506
107	Bends Pipe Installation Of Φ 152 × -180 ° 12-180 ° Φ 219 × 14	Ton	10443.50	2	20887
108	Carbon Steel High Finned Tube - Φ 152 × 12	Ton	3590.00	10	35900
109	Alloy Steel Castings	Ton	17955.33	1.5	26933

110	Carbon Steel, Parts Accessories	Ton	4617.00	1	4617
111	Insulation Nails Stainless Steel	Ton	19296.00	0.5	9648
112	Rotary Soot Blower	Set	2429.25	4	9717
113	Chimney Damper (With Actuators)	Ton	11375.00	1.2	13650
114	Metal Compensator	Ton	8050.00	0.5	4025
115	Both Ends Of The Tube Plate	Ton	5120.33	3	15361
116	Lightweight Refractory Lining	M3	844.96	25	21124
117	Refractory Fiber Lining	M3	1210.83	40	48433
118	Stainless Steel Tube	Ton	20071.06	58.912	1182426
119	Alloy Steel Pipe	Meter	11894.12	90.8614	1080716
120	Carbon Steel Pipe	Meter	2251.09	911.38	2051594
121	Valve	-	855.57	7085	6061694
122	Safety Valve	-	6585.55	67	441232
123	Special Pipe Bracket (Insulation, Shockproof, Self-Lubricating Bearings)	Ton	6759.67	12	81116
124	Spring Hanger Installation And Metal Tube Frame Production	Ton	5281.00	30	158430
125	Expansion Joint (Zhf200-1000)		4107.44	9	36967
126	Steam Ring		19363.67	6	116182
127	Lift (Esa-800)Dn1200	-	5281.00	1	5281
128	Lift (Esb-850)Dn1200	-	5281.00	1	5281
129	Lift (Esc-600)Dn1200	-	5281.00	1	5281
130	Thermal Insulation - Fiber Products (Shell) - General Specifications - Aluminium Silicate Fiber	1.3 M	211.24	350	73934
131	Thermal Insulation - Felt Products - General Specifications	1.3 M	211.24	100	21124
132	A Moisture Barrier Layer, The Protective Layer Is Installed - Sheet Metal Nail Outlet Pipeline And The Aluminum Skin	10.2 M	77.95	2200	171484
133	Pipeline Anticorrosion - Epoxy Zinc-Rich, Micaceous Iron Oxide Paint - Micaceous Iron Oxide Paint Two Times	10.2 M	47.95	343.771	16484
134	Pipeline Anticorrosion Paint Alkyd Enamel - Other Types - Two Times	10.2 M	14.15	427.11	6045
135	Pipeline Anticorrosion Paint - Other Types - Heat-Resistant Silicone Paint For Two Times	10.2 M	36.54	437.527	15989
136	Pipeline Anticorrosion Epoxy Powder Coating Finish Of Two Times -	10.2 M	17.32	437.527	7579
137	Pipeline Coating Inorganic Zinc-Rich Primer And Inorganic Zinc-Rich Primer Two Times	10.2 M	81.75	239.598	19587

138	Pipeline Anticorrosion Paint - Other Types - Heat-Resistant Silicone Paint For Two Times	10.2 M	36.55	128.654	4702
139	Pipeline Anticorrosion Paint - Other Types - Heat-Resistant Silicone Paint For Two Times	10.2 M	36.54	89.901	3285
140	Pipeline Anticorrosion Paint Of Alkyd Varnish - Other Types - Two Times	10.2 M	8.45	104.173	880
141	Power Cable Termite-Proofzra-Yjv22-8.7/10kv-3x185mm²	Kilometer	96311.24	1.3064	125821
142	Power Cable Termite-Proofzra-Yjv22-8.7/10kv-3x70mm²	Kilometer	42821.08	1.822	78020
143	Power Cable Termite-Proofzra-Yjv22-0.6/1kv-3x240+	Kilometer	121715.35	2.944	358330
144	Power Cable Termite-Proofzra-Yjv22-0.6/1kv-3x150mm²	Kilometer	65479.14	0.791	51794
145	Zra-Yjv22-0.6/1kv-3x120mm²	Kilometer	52607.30	1.398	73545
146	Power Cable Termite-Proofzra-Yjv22-0.6/1kv-3x95mm²	Kilometer	42020.63	4.508	189429
147	Power Cable Termite-Proofzra-Yjv22-0.6/1kv-3x70mm²	Kilometer	31113.66	2.613	81300
148	Power Cable Termite-Proofzra-Yjv22-0.6/1kv-3x50mm²	Kilometer	22381.18	1.435	32117
149	Power Cable Termite-Proofzra-Yjv22-0.6/1kv-3x35mm²	Kilometer	16353.47	10.046	164287
150	Power Cable Termite-Proofzra-Yjv22-0.6/1kv-3x25mm²	Kilometer	12203.88	0.515	6285
151	Power Cable Termite-Proofzra-Yjv22-0.6/1kv-3x16mm²	Kilometer	8123.54	1.546	12559
152	Power Cable Termite-Proofzra-Yjv22-0.6/1kv-3x6mm²	Kilometer	3502.33	1.288	4511
153	Power Cable Termite-Proofzra-Yjv22-0.6/1kv-3x4mm²	Kilometer	2549.20	11.555	29456
154	Power Cable Termite-Proofzra-Yjv22-0.6/1kv-3x95+1	Kilometer	49136.83	2.061	101271
155	Power Cable Termite-Proofzra-Yjv22-0.6/1kv-3x50+1x	Kilometer	26033.64	0.773	20124
156	Zra-Yjv22-0.6/1kv-4x50mm²	Kilometer	29542.64	0.258	7622
157	Power Cable Termite-Proofzra-Yjv22-0.6/1kv-4x16mm²	Kilometer	10599.81	3.091	32764
158	Power Cable Termite-Proofzra-Yjv22-0.6/1kv-4x6mm²	Kilometer	4476.70	1.03	4611
159	Power Cable Termite-Proofzra-Yjv22-0.6/1kv-4x4mm²	Kilometer	3206.80	1.03	3303
160	Control Cablezra-Kyjv22-450/750kv-14x	Kilometer	7102.38	2.061	14638

161	Control Cablezra-Kyjv22-450/750kv-10x	Kilometer	5274.64	7.213	38046
162	Control Cablezra-Kyjv22-450/750kv-7x	Kilometer	2504.67	26.79	67100
163	Electric Cable Bridge (Aluminum Alloy)	Ton	5914.70	90	532323
164	10kvcable Head	-	1267.50	4	5070
165	10kvcable Head	-	633.75	12	7605
166	Fireproof Blocking Material	Ton	4224.67	3	12674
167	Other Metal Stent - Galvanized Metal Stent	Ton	1125.88	23.483	26439
168	Fluorescent Lamp220v 2x36w Diibt4	Set	253.49	100	25349
169	Metallic Halogen Lamp220v 1x250w Diibt4	Set	274.60	40	10984
170	Explosion-Proof Lamp220v 1x50w 附立杆 Diibt4	Set	316.86	850	269330
171	Power Cablezr-Yjv-1kv/3x2.5mm2	Kilometer	1698.38	10.5	17833
172	Power Cablezr-Yjv-1kv/5x2.5mm2	Kilometer	2216.67	1.2	2660
173	Grounding Inspection Well	-	422.50	6	2535
174	Yellow And White Insulated Wirebv-500 70mm2	10 Meters	207.86	50	10393
175	Yellow And White Insulated Wirebv-500 50mm2	10 Meters	169.00	40	6760
176	Hot Galvanized Steel	Ton	1161.84	20.187	23454
177	Copper Conductor Trj-35	10 Meters	63.38	40	2535
178	Explosion-Proof Flexible Tube	-	31.70	10	317
179	Electric Cable2*2*1.5mm2、On The Ground, Shielding, Flame Retardant	1000m	3052.29	3.5	10683
180	Electric Cable8*2*1.5mm2、On The Ground, Shielding, Flame Retardant	1000m	7361.50	2	14723
181	Electric Cable16*2*1.5mm2、On The Ground, Shielding, Flame Retardant	1000m	13646.00	0.5	6823
182	Loudspeaker Electric Cable	Kilometer	4224.00	0.25	1056
183	System Electric Cable	Kilometer	10562.00	3	31686
184	Explosion-Proof Integrated Color Camera	Set	72.17	6	433
185	Explosion Proof Type Combined Box	-	69.67	6	418
186	Single Mode Optical Fiber Cable (Four Cores)	100 M	316.79	2.8	887
187	Electric Cablervvp-3x2.5mm2	Kilometer	2112.50	2.8	5915
188	Supporting Electric Cable	Kilometer	10566.67	0.03	317
189	Metal Support Fabrication And Installation	Ton	763.02	11.52	8790
190	Instrumentation Line-Stainless Steel Tube	10 Meters	227.50	769.5	175065
191	Instrumentation Line-Carbon Steel Seamless Pipe	10 Meters	51.76	29.52	1528
192	Automatic Control Of Main Materials To	10 Meters	75.20	513	38578

	Install -Instrumentation Line- Galvanized Steel Pipe				
193	Grounding Copper Bar 200x50 Δ =6mm	-	42.20	5	211
194	Inside Screw Stainless Steel Ball Valve	-	84.50	108	9126
195	Pressure Pad Type Gate Valve	-	84.50	68	5746
196	Pressure Pad Type Stop Valvepn11 Dn10 Φ14	-	84.50	722	61006
197	Pressure Pad Type Stop Valvepn11 Dn10 Φ22	-	84.49	47	3971
198	Gas Ball Valve（Stainless Steel）G1/2" / Φ8	-	42.25	95	4014
199	Gas Ball Valve（Stainless Steel）G1/2" / Φ10	-	42.25	52	2197
200	Gas Ball Valve（Stainless Steel）G1/2" / Φ12	-	42.24	29	1225
201	Socket Welding Globe Valvepn11.0 Dn10 Φ22	-	52.81	153	8080
202	Combined Slot Box (Aluminum Alloy)	Ton	5914.69	36	212929
203	Compensating Wirekc 8×2×1.5mm2	Kilometer	11829.33	2.25	26616
204	Compensating Wirekc 2×1.5mm2	Kilometer	1858.91	93.75	174273
205	Compensating Wirekc 3×2×1.5mm2	Kilometer	7604.58	2.4	18251
206	Electric Cable 2×1.5mm2	Kilometer	1182.93	11.25	13308
207	Electric Cable 3×1.5mm2	Kilometer	1351.92	26.25	35488
208	Electric Cable 3×2.5mm2	Kilometer	1520.95	5.25	7985
209	Electric Cable4×2×1.5mm2	Kilometer	1689.89	9	15209
210	Electric Cable4×3×1.5mm2	Kilometer	1689.87	3.75	6337
211	Electric Cable8×2×1.5mm2	Kilometer	10139.33	3	30418
212	Electric Cable 2×1.5mm2	Kilometer	1182.94	135	159697
213	Electric Cable 3×1.5mm2	Kilometer	1351.94	31.5	42586
214	Electric Cable8×2×1.5mm2	Kilometer	8449.67	3	25349
215	Electric Cable8×3×1.5mm2	Kilometer	8449.60	3.75	31686
216	Green-Yellow Wire1×2.5mm2	Kilometer	1690.00	2.7	4563
217	Green-Yellow Wire1×10.0mm2	Kilometer	8450.67	0.375	3169
218	Foaming Agent	Box	422.00	1	422
219	Carbon Steel Pipe	Ton	1197.13	314.887	376962
220	Cast Iron Pipe	Meter	51.84	1535	79569
221	Valve	-	1236.64	95	117481
222	Pipeline Of Asphalt Felt, Asphalt, Coal Tar Epoxy Glass Cloth, Polyethylene Tape - Pipe Epoxy Coal	10.2 M	34.86	483.6	16856
223	Pipeline Of Asphalt Felt, Asphalt, Coal Tar	10.2 M	35.49	483.6	17162

	Epoxy Glass Cloth, Polyethylene Tape - Pipe Epoxy Coal				
224	Cast Iron Pipe, Radiator Anti-Corrosion Asphalt Paint Two Times	10.2 M	11.83	300	3549
225	Outdoor Ground Hydrant	Set	844.94	17	14364
226	Fire Hose Reel	Set	2640.48	21	55450
227	Fire Gun Sp40a2k-1.6	-	2534.86	7	17744
228	Air Foam Generator Pc8	-	168.00	2	336
229	Tube Tooth Interface And Cap	-	21.00	2	42
230	Fire Station	-	844.95	40	33798
231	Eye Wash	10 Sets	12673.33	0.3	3802
232	Mft35 Cart-Type Dry Powder Fire Extinguisher	-	316.87	15	4753
233	Model Mf8 Portable Dry Powder Fire Extinguisher	-	42.25	339	14322
234	Small Fire Extinguisher Box (3 Installed)	-	38.03	113	4297
TATOL					27399995
	8) Gas Fractionation				
1	Steel Structure	T	1034.13	430	444677
2	Steel Platform Q235af	T	1034.13	100	103413
3	Equipment Heat Insulation - Fiber Bulk Materials	M3	86.87	234	20327
4	Moisture Barrier、Protective Backing Installation	10m2	58.71	450	26418
5	Antirust Paint、Epoxy Resin Enamel -Primer Twice	10m2	21.00	400	8400
6	Antirust Paint、Epoxy Resin Enamel -Primer Twice	10m2	17.34	400	6937
7	Moisture Barrier、Protective Backing Installation-Fireproof Paint	10m2	147.01	160	23521
8	Carbon Steel Pipe	T	1949.06	270.4864	527195
9	Stainless Steel Pipe	T	8062.80	0.207	1669
10	Valve		520.61	880	458136
11	Safety Valve		2797.00	13	36361
12	T Filterpn5.0mpa		5050.00	12	60600
13	Piping Insulation –Felt Product	M3	159.10	50	7955
14	Piping Insulation-Fiber Product(Pipe Shell)	M3	159.10	90	14319
15	Metal Sheet Nail Mouth	10m2	58.71	400	23483
16	Gt-1organic Siliconzinc Powder Primer Withstanding High Temperature	10m2	27.50	4	110

17	Gt-5aluminium Powder Finishing Coat Withstanding High Temperature	10m2	27.50	4	110
18	Inorganic Zinc Rich Primer	10m2	61.57	750	46178
19	Micaceous Ironoxide Phenolic Anticorrosive Paint	10m2	11.13	75	835
20	Silver Aluminum Paint	10m2	10.65	75	799
21	Colored Pure Phenolic Paint	10m2	5.41	75	406
22	Iron Oxide Red Phenolic Antirust Paint	10m2	11.13	75	835
23	Phenolic Varnish	10m2	6.36	100	636
24	10kvcable Head（10kv,3x70mm2）		477.25	8	3818
25	Power Cable Termite Prevention Zra-Yjv22-8.7/10kv-3x70mm²	Km	32251.56	1.28	41282
26	Power Cable Termite Prevention Zra-Yjv22-0.6/1kv-3x150mm²	Km	49315.59	0.526	25940
27	Power Cable Termite Prevention Zra-Yjv22-0.6/1kv-3x120mm²	Km	37045.63	0.526	19486
28	Power Cable Termite Prevention Zra-Yjv22-0.6/1kv-3x70mm²	Km	39621.67	0.526	20841
29	Power Cable Termite Prevention Zra-Yjv22-0.6/1kv-3x50mm²	Km	16857.41	0.526	8867
30	Power Cable Termite Prevention Zra-Yjv22-0.6/1kv-3x35mm²	Km	12316.87	7.896	97254
31	Power Cable Termite Prevention Zra-Yjv22-0.6/1kv-3x6mm²	Km	2637.54	1.316	3471
32	Power Cable Termite Prevention Zra-Yjv22-0.6/1kv-3x95+1x50mm²	Km	37007.60	0.526	19466
33	Power Cable Termite Prevention Zra-Yjv22-0.6/1kv-3x50+1x25mm²	Km	19608.37	0.263	5157
34	Power Cable Termite Prevention Zra-Yjv22-0.6/1kv-4x16mm²	Km	7983.86	1.053	8407
35	Control Cable Termite Prevention Zra-Kyjv22-450/750kv-14x2.5mm²	Km	5349.22	1.28	6847
36	Lay Out Control Cable-Less Than 7 Plugs Zra-Kyjv22-450/750kv-10x2.5mm²	Km	3972.77	2.24	8899
37	Lay Out Control Cable-Less Than 14 Plugs Zra-Kyjv22-450/750kv-7x1.5mm²	Km	1886.43	8.4	15846
38	Lay Out Control Cable-Less Than 7 Plugs	1000m	37.86	8.4	318
39	Cable Tray（Aluminium Alloy）	T	4136.52	25	103413
40	Fireproof Blocking Material	T	3182.00	2	6364
41	Other Metal Support Galvanized Metal Support Manufacture And Installation	T	848.02	5.823	4938

42	Explosion-Proof Compact Fluorescent Lamp 220v 2x36w Diibt4	Set	190.92	50	9546
43	Explosion-Proof Induction Lamp 220v 1x50w Diibt4 With Upright	Set	238.65	200	47729
44	Power Cable Zr-Yjv-1kv/3x2.5mm2	Km	1279.00	2	2558
45	Power Cable Zr-Yjv-1kv/5x2.5mm2	Km	1670.00	0.5	835
46	Yellow-And-Green Insulated Wire Bv-500 70mm2	10m	156.57	30	4697
47	Yellow-And-Green Insulated Wire Bv-500 25mm2	10m	50.92	26	1324
48	Hot Dipped Galvanized Angle Steel 50x50x5		8.14	22	179
49	Hot Dipped Galvanized Flat Steel 50x6	10m	20.66	70	1446
50	Hot Dipped Galvanized Flat Steel 40x4	10m	11.02	90	992
51	Copper Stranded Wire Trj-35	10m	47.70	10	477
52	Copper Stranded Wire Trj-4	10m	15.90	20	318
53	Explosion-Proof Flexible Pipe		24.00	2	48
54	Cable 2*2*1.5mm2、Twinning、Shielding、Fire Retardency	Km	2300.00	0.3	690
55	Cable 8*2*1.5mm2、Twinning、Shielding、Fire Retardency	Km	5545.00	0.6	3327
56	Loudspeaker Cable	Km	1590.00	0.1	159
57	System Cable	Km	7955.00	0.8	6364
58	Singlemode Optic Fiber Cable（Four Plug）	100m	238.67	7.5	1790
59	Cable Rvvp-3x2.5mm2	Km	1590.67	0.75	1193
60	Corollary Cable	Km	7916.67	0.012	95
61	Metal Support Manufacturing And Installation	T	574.75	2.61853	1505
62	Instrument Pipe Route-Stainless Steel Tube	10m	171.35	86	14736
63	Instrument Pipe Route-Carbon Steel Seamless Pipe	10m	39.00	2	78
64	Instrument Pipe Route-Galvanized Steel Pipe	10m	56.64	295	16708
65	Socket Weld Shut-Off Valve		95.46	100	9546
66	Gas Ball Valve		31.80	25	795
67	Internal Thread Ball Valve		95.40	5	477
68	Flange Gate Valve		39.78	50	1989
69	Instrument Signal Soft Cable Zr-Ia-Djyvrp 2×1.5mm2	Km	1145.52	27	30929
70	Instrument Signal Soft Cable Zr-Djyvrp 2×1.5mm2	Km	890.96	27	24056
71	Instrument Signal Soft Cable Zr-Djyvrp 2×2.5mm2	Km	1018.22	9	9164

72	Instrument Signal Soft Cable Zr-Djyvrp 3×1.5mm2	Km	1018.22	4.5	4582
73	Instrument Signal Soft Cable Zr-Djyvrp 3×2.5mm2	Km	1146.00	0.5	573
74	Instrument Signal Soft Cable Zr-Djyvrp 8×2×1.5mm2	Km	6364.00	0.5	3182
75	Instrument Signal Soft Cable Zr-Ia-Djyvrp 8×2×1.5mm2	Km	7636.00	0.5	3818
76	Extended Soft Cable Zr-Ia-Ex-Vvrp 2×1.5mm2	Km	1272.78	18	22910
77	Extended Soft Cable Zr-Ia-Ex-Vvrp 8×2×1.5mm2	Km	7636.00	0.5	3818
78	Instruments Cable Tray (Aluminum Alloy)	T	4454.71	7	31183
79	Outdoor Ground Hydrant	Set	636.33	3	1909
80	Fire Hose Reel	Set	1988.50	2	3977
81	Fire Water Cannon Sp40a2k-1.6		1909.00	2	3818
82	Fire Hose		636.50	4	2546
TOTAL					2490000
	9) Isomerization				
1	Steel Structure	T	2411.99	250	602997
2	Platform Ladder	T	2411.98	50	120599
3	Equipment Insulation Magnesium Aluminum Silicate（60mm Thickness）	M3	371.08	160	59372
4	Topping Thin Aluminium Nail Mouth Equipment	10m2	185.54	200	37107
5	Equipment And Rectangular Pipe Painted With Red Lead Antirust Paint Twice	10m2	15.59	200	3117
6	Equipment And Rectangular Pipe Painted With Epoxy Zinc-Rich Paint Twice	10m2	45.64	200	9128
7	Reaction Feed Heating Oven（1cr9mo）		345545.00	1	345545
8	Carbon Steel Pipe	T	4417.92	250	1104479
9	A335 Gr.P11 Alloy Steel Pipe	T	15810.97	35	553384
10	High Alloy Steel Pipe Made In China	T	44528.95	10.5	467554
11	Valve		1308.34	500	654172
12	Safety Valve		8349.17	18	150285
13	Heat Preservation、Anti-Corrosion	-	249995.00	1	249995
14	Others(Including Filter、Spring Hanger、Portable Platform)	-	56417.00	1	56417
15	Fireproof Blocking Material	T	7421.00	1	7421

16	Cable Tray（Aluminium Alloy）	T	9647.95	20	192959
17	Power Cablezr-Yjv-10kv/3x95mm²	Km	84331.43	0.7	59032
18	Power Cablezr-Yjv22-1kv/3x95+2x50mm²	Km	86835.56	0.45	39076
19	Power Cablezr-Yjv22-1kv/3x95+1x50mm²	Km	75956.13	1.55	117732
20	Power Cablezr-Yjv22-1kv/3x35+1x25mm²	Km	30854.29	1.75	53995
21	Power Cablezr-Yjv22-1kv/3x25+1x16mm²	Km	22645.56	0.9	20381
22	Power Cablezr-Yjv22-1kv/3x16+2x10mm²	Km	17308.43	0.415	7183
23	Power Cablezr-Yjv22-1kv/3x120+1x70mm²	Km	96638.00	1	96638
24	Power Cablezr-Yjv-1kv/3x4+2x2.5mm2	Km	4683.33	0.06	281
25	Power Cablezr-Yjv-1kv/4x4mm2	Km	4380.00	0.1	438
26	Power Cablezr-Yjv-1kv/3x4mm2	Km	3384.62	0.715	2420
27	Control Cablezr-Kyjv22-0.5kv/14x1.5	Km	7360.00	0.025	184
28	Control Cablezr-Kyjv22-0.5kv/10x2.5	Km	8382.19	2.415	20243
29	Control Cablezr-Kyjv22-0.5kv/7x2.5	Km	5971.43	0.035	209
30	Control Cablezr-Kyjv22-0.5kv/7x1.5	Km	3998.08	1.56	6237
31	Control Cablezr-Kyjv22-0.5kv/5x1.5	Km	3073.68	0.19	584
32	Control Cablezr-Kyjv22-0.5kv/4x2.5	Km	3733.33	0.015	56
33	Control Cablezr-Kyjv22-0.5kv/4x1.5	Km	2590.00	0.1	259
34	Twisted Pairrvs-2x1.5	M	1.86	250	464
35	Flame-Proof Type Explosion Proof Light	Set	445.29	170	75699
36	Explosion Proof Plastic Fluorescent Lamp	Set	556.62	21	11689
37	Explosion Proof Plastic Fluorescent Lamp（Emergency）	Set	556.50	4	2226
38	Copper Stranded Conductors Trj-35	M	11.13	120	1336
39	Galvanized Steel	T	2040.94	4.812	9821
40	Instrument Material	Set	455373.00	1	455373
41	Burial Carbon Steel Pipe	T	2457.40	15	36861
42	Valve		1571.25	20	31425
43	Pipe Anti-Corrosion		5624.00	1	5624
TOTAL					5669997
10) Sulfur Recovery Unit					
1	Steel Structure	Ton	1435.27	1208	1733802
2	Steel Structure	Ton	1435.27	120	172232
3	Acid Lining	M3	2208.09	22	48578
4	Y Anchor Nail 2 X 10 (0cr13)	100-	510.07	153	78041
5	Equipment Insulation - Fiber Bulk Materials - General Specifications Of Rockwool	1.3 M	120.56	320	38580
6	Moisture Barrier Layer, The Protective Layer Is Installed - Sheet Metal Nail Export -	10.2 M	81.48	400	32592

	General Equipment - Aluminum Skin				
7	Moisture Barrier Layer, The Protective Layer Is Installed - Fire Retardant Coating Refractory Time: 2.5 Hours	10.2 M	204.03	95	19383
8	Lightweight Mullite Brick	1.3 M	6878.44	18	123812
9	White Fused Alumina	1.3 M	8468.29	24	203239
10	Refractory Mortar	10 M2	36.87	30	1106
11	Tube Plate Casting Material	1.3 M	939.00	2	1878
12	Lightweight Mullite Brick	1.3 M	6878.50	6	41271
13	Process Gas Outlet Castable	1.3 M	939.00	3	2817
14	Porcelain Bushing	-	79.49	854	67886
15	Insulation Pouring Material	1.3 M	939.10	20	18782
16	Refractory Layer Can Be Plastic	1.3 M	882.35	20	17647
17	Light Pouring Material	1.3 M	939.00	3	2817
18	Porcelain Bushing	-	79.49	480	38156
19	Insulation Castables	1.3 M	939.10	20	18782
20	Castable Refractory Flue	1.3 M	939.10	20	18782
21	Insulation Castables	1.3 M	939.00	3	2817
22	Corundum - Mullite Brick Al2o3 80-90%	1.3 M	8468.33	3	25405
23	Vibration Acid Insulation Castables	1.3 M	2208.10	30	66243
24	Acid-Resisting Brick	Ton	1545.67	160	247307
25	Acid Clay	Ton	8832.33	6	52994
26	S201 Steel Chimney	Ton	1151.08	65	74820
27	Metal Structure Of The Anti-Corrosion Epoxy Resin Paint, Primer Two Times - Urushiol Resin Paint	Ton	37.09	65	2411
28	Metal Structure Of The Anti-Corrosion Epoxy Resin Paint - Paint, Each Additional Again - Epoxy, Phenolic Resin Paint	Ton	36.43	65	2368
29	Light Pouring Material	1.3 M	939.20	5	4696
30	High Temperature Resistant Coating	M2	132.49	250	33122
31	Anti Dew Point Corrosion Coating	M2	154.57	600	92740
32	Heat Sensitive Paint	10m2	1766.47	15	26497
33	Epoxy Silicone Heat Resistant Coatings	10m2	37.32	120	4478
34	Carbon Steel Pipe	Ton	2292.20	626.67	1436454
35	Stainless Steel Tube	Ton	21052.92	18.69	393479
36	Alloy Steel Pipe	Ton	7452.50	19.22	143237
37	Valve	-	271.94	5019	1364849
38	Safety Valve	-	3065.59	75	229919
39	Filter	-	246.50	32	7888

40	Hydraulic Lifting Type Movable Operating Platform	-	5520.33	3	16561
41	Spring Hanger Installation - Spring Hanger	Ton	5520.20	5	27601
42	Thermal Insulation - Fiber Products (Shell)	1.3 M	220.81	550	121446
43	Sheet Metal Screw Mouth	10.2 M	81.48	1050	85553
44	Inorganic Zinc-Rich Primer Two Times	10.2 M	85.45	960	82035
45	Heat-Resistant Silicone Paint For Two Times	10.2 M	38.20	160	6112
46	Heat-Resistant Silicone Paint For Two Times	10.2 M	38.20	160	6112
47	Novolac	10.2 M	8.83	320	2826
48	Iron Red Phenolic Antirust Paint	10.2 M	15.46	320	4946
49	Colored Pure Phenolic Enamel	10.2 M	7.51	320	2402
50	High Voltage Cable Head（3m 10kv,3x70mm2）	-	662.43	14	9274
51	Zra-Yjv22-8.7/10kv-3x70mm2	Kilometer	44757.81	0.128	5729
52	Zra-Yjv22-0.6/1kv-2x16mm2	Kilometer	5980.39	0.153	915
53	Zra-Djypvr-1x2x2.5mm2	Kilometer	1764.12	1.7	2999
54	Zra-Kyjv22-0.45/0.75kv-7x1.5mm2	Kilometer	2617.57	0.774	2026
55	Zra-Kyjv22-0.45/0.75kv-7x2.5mm2	Kilometer	3921.57	0.051	200
56	Zra-Kyjv22-0.45/0.75kv-10x1.5mm2	Kilometer	4166.67	0.072	300
57	Zra-Kyjv22-0.45/0.75kv-10x2.5mm2	Kilometer	5517.65	0.085	469
58	Zra-Kyjv22-0.45/0.75kv-14x1.5mm2	Kilometer	5470.59	0.085	465
59	Electric Cable Bridge (Aluminum Alloy)	Ton	6182.68	25	154567
60	Zra-Yjv22-0.6/1kv-4x150+1x95mm2	Kilometer	104950.98	0.102	10705
61	Zra-Yjv22-0.6/1kv-5x16mm2	Kilometer	14470.20	0.302	4370
62	Zra-Yjv22-0.6/1kv-5x10mm2	Kilometer	9744.83	0.145	1413
63	Zra-Yjv22-0.6/1kv-4x25+1x16mm2	Kilometer	19319.15	0.094	1816
64	Zra-Yjv22-0.6/1kv-4x150+1x95mm2	Kilometer	104953.49	0.043	4513
65	Zra-Yjv22-0.6/1kv-3x6mm2	Kilometer	3666.67	0.021	77
66	Zra-Yjv22-0.6/1kv-3x4mm2	Kilometer	2661.76	0.068	181
67	Zra-Yjv22-0.6/1kv-3x16mm2	Kilometer	8493.98	0.166	1410
68	Zra-Yjv22-0.6/1kv-5x4mm2	Kilometer	4631.73	0.353	1635
69	Zra-Yjv22-8.7/10kv-3x95mm2	Kilometer	43924.05	0.553	24290
70	Zra-Yjv22-0.6/1kv-3x95+2x50mm2	Kilometer	58800.00	0.68	39984
71	Zra-Yjv22-0.6/1kv-3x35+2x25mm2	Kilometer	26025.21	0.238	6194
72	Zra-Yjv22-0.6/1kv-4x25+1x16mm2	Kilometer	19317.56	1.543	29807
73	Zra-Yjv22-0.6/1kv-5x10mm2	Kilometer	9744.70	0.944	9199
74	Zra-Yjv22-0.6/1kv-5x4mm2	Kilometer	4632.83	1.054	4883
75	Zra-Yjv22-0.6/1kv-4x4mm2	Kilometer	3352.94	0.153	513

76	Zra-Yjv22-0.6/1kv-3x150mm2	Kilometer	68445.63	1.122	76796
77	Zra-Yjv22-0.6/1kv-3x120mm2	Kilometer	54990.81	0.544	29915
78	Zra-Yjv22-0.6/1kv-3x95mm2	Kilometer	43923.93	0.723	31757
79	Zra-Yjv22-0.6/1kv-3x70mm2	Kilometer	32523.00	0.587	19091
80	Zra-Yjv22-0.6/1kv-3x50mm2	Kilometer	23395.87	0.629	14716
81	Zra-Yjv22-0.6/1kv-3x35mm2	Kilometer	17094.65	1.458	24924
82	Zra-Yjv22-0.6/1kv-3x25mm2	Kilometer	12757.93	2.049	26141
83	Zra-Yjv22-0.6/1kv-3x16mm2	Kilometer	8491.78	1.216	10326
84	Zra-Yjv22-0.6/1kv-3x10mm2	Kilometer	5685.76	0.646	3673
85	Zra-Yjv22-0.6/1kv-3x6mm2	Kilometer	3662.92	0.089	326
86	Zra-Yjv22-0.6/1kv-3x4mm2	Kilometer	2665.27	0.714	1903
87	Zra-Yjv22-0.6/1kv-3x35+1x6mm2	Kilometer	19835.09	0.57	11306
88	Zra-Kyjv22-0.45/0.75v-10x2.5 Mm2	Kilometer	5513.59	3.863	21299
89	Zra-Kyjv22-0.45/0.75v-7x1.5 Mm2	Kilometer	2618.11	5.313	13910
90	Fluorescent Lamp	Set	264.97	167	44250
91	Explosion-Proof Lamp	Set	331.21	350	115925
92	Metallic Halogen Lamp	Set	264.95	20	5299
93	Double Tube Fluorescent Lamp	Set	44.15	52	2296
94	Top Suction Tube Fluorescent Lamp	Set	26.49	71	1881
95	Square Ceiling	Set	44.16	110	4858
96	Shallow Oblate Xidingdeng	Set	44.17	36	1590
97	Waterproof And Dustproof Lamp	Set	287.04	24	6889
98	Wall Fitting	Set	22.13	8	177
99	Aluminum Alloy Wire Groove	Ton	6182.56	0.975	6028
100	Zra-Yjv22-0.6/1kv-3x4mm2	Kilometer	2664.80	5	13324
101	Zrc-Kyjv-0.45/0.75kv-5x2.5 Mm2	Kilometer	3283.33	0.6	1970
102	Yellow And White Insulated Wirebv-500 70mm2	10 Meters	217.28	50	10864
103	Yellow And White Insulated Wirebv-500 50mm3	10 Meters	70.65	40	2826
104	Hot Dip Galvanized Steel Angle50x50x5	-	10.42	60	625
105	Hot Galvanized Flat Steel50x6	10 Meters	26.06	520	13549
106	Hot Galvanized Flat Steel40x4	10 Meters	13.91	190	2643
107	Telephone Electric Cable Hyat-10x2x0.5	Kilometer	13247.50	0.4	5299
108	Signal Electric Cablepvv-2x1.0	Kilometer	7725.00	0.04	309
109	Category 6 Individually Unshielded Twisted Pair	Box	662.38	8	5299
110	3x2.5mm2,1kv, Flame Retardant, Unarmored, Copper Core	Kilometer	2200.00	0.05	110
111	Loudspeaker Electric Cable	Kilometer	2210.00	0.2	442

112	System Electric Cable	Kilometer	11040.44	4.5	49682
113	Explosion-Proof Code Alarm Box	-	110.33	6	662
114	Infrared Beam Detector	Pair	662.44	9	5962
115	Temperature Sensing Electric Cable	Kilometer	3970.00	0.1	397
116	Double Strand 2*1.5mm2, Twisted, Shielding, Flame Retardant	Kilometer	545.71	1.4	764
117	2*2*1.5mm2, Twisted, Shielding, Flame Retardant, Armored	Kilometer	3190.57	3.5	11167
118	6*2*1.5mm2, Twisted, Shielding, Flame Retardant	Kilometer	7132.22	1.8	12838
119	3x2.5mm2,1kv, Flame Retardant, Unarmored, Copper Core	Kilometer	2200.00	0.05	110
120	Metal Support Fabrication And Installation	Ton	797.59	6.981	5568
121	Carbon Steel Seamless Pipe	10 Meters	54.10	602	32567
122	Instrumentation Line-Stainless Steel Tube	10 Meters	237.81	429.1	102045
123	Galvanized Steel Pipe	10 Meters	78.61	1750	137565
124	Socket Welding Gate Valvepn5.0mpa Dn40 Φ48	-	55.20	10	552
125	Socket Welding Gate Valvepn5.0mpa Dn25 Φ34	-	55.20	30	1656
126	Socket Welding Gate Valvepn5.0mpa Dn20 Φ27	-	55.20	30	1656
127	Socket Welding Gate Valvepn5.0mpa Dn15 Φ18	-	55.20	60	3312
128	Socket Welding Globe Valve Pn5.0ma	-	55.20	400	22081
129	Internal Thread Ball Valvepn2.0mpa G1"(F)	-	88.30	20	1766
130	Internal Thread Ball Valvepn2.0mpa G3/4"(F)	-	88.32	60	5299
131	Gas Ball Valvepn2.0 G1/2"(F)-Φ8 Cutting Ferrule	-	44.16	135	5962
132	Gas Ball Valvepn2.0 G1/2"(F)-Φ10 Cutting Ferrule	-	44.15	13	574
133	Gas Ball Valvepn2.0 G1/2"(F)	-	44.00	1	44
134	Instrument Electric Cable2×1.5mm2	Kilometer	1391.11	168	233706
135	Instrument Electric Cable2×2×1.5mm2	Kilometer	2384.29	0.7	1669
136	Instrument Electric Cable4×2×1.5mm2	Kilometer	6955.71	0.7	4869
137	Instrument Electric Cable8×2×1.5mm2	Kilometer	9936.43	2.8	27822
138	Instrument Electric Cable2×2.5mm2	Kilometer	1060.00	3.5	3710
139	Instrument Electric Cable4×1.5mm2	Kilometer	2119.79	28	59354
140	Instrument Electric Cable24×1.5mm2	Kilometer	8832.38	4.2	37096
141	Instrument Electric Cablekx-2×1.5mm2	Kilometer	1943.12	49	95213
142	Instrument Electric Cablekx-8×2×1.5mm2	Kilometer	11923.57	1.4	16693

143	Instrument Electric Cablebx-2×1.5mm2	Kilometer	1943.21	2.8	5441
144	Instrument Electric Cable Crane Span Structure	Ton	6182.70	30	185481
145	Water Supply And Drainage Steel Pipe	Ton	1127.02	97.52	109907
146	Ductile Iron Pipe	10 Meters	488.10	96.5	47102
147	Composite Plastic Pipe	10 Meters	240.00	1	240
148	Valve	-	1279.42	53	67809
149	Coal Tar Epoxy Paint Anti-Corrosion Pipeline - An End Of Both Sides	10.2 M	36.44	85	3097
150	Coal Tar Epoxy Paint Anti-Corrosion Pipeline - Per A Cloth Of A Oil	10.2 M	37.09	85	3153
151	Antiknock Valve Type Kc-T-6 1052x775	-	11924.00	2	23848
152	Electric Closed Combined Air Valve Type Rav	-	883.00	2	1766
153	Turbine Type For Many Leaf Valve	-	773.00	2	1546
154	Closed Type To Open Multiple Leaf Adjusting Valve	-	132.50	2	265
155	Fire Valve Type Fhf-4 800x630	-	662.00	1	662
156	Fire Valve Type Fhf-4 800x500	-	442.00	1	442
157	Fire Valve Type Fhf-4 500x400	-	265.00	2	530
158	Four Air Square Diffuser Jn-10	-	132.50	18	2385
159	Single Return Air Louver Abfk	-	110.50	2	221
160	Single Return Air Louver Abfk	-	132.50	8	1060
161	Wind Pipe Inspection Door 300x300	-	88.25	4	353
162	Wx Type Micro Perforated Plate Muffler	-	1546.00	1	1546
163	Impedance Composite Muffler	-	1104.00	4	4416
164	Galvanized Steel Sheet Δ1.0 Mm	M2	5.96	560	3339
165	Sheet Steel Δ3.0 Mm	M2	18.33	70	1283
166	Flexible Foam Rubber Foam Insulation Board	M3	497.94	16	7967
167	Outdoor Ground Hydrant	Set	883.17	6	5299
168	Fire Hose Reel	Set	2760.12	26	71763
169	Fire Gun Sp40a2k-1.6	-	2649.67	3	7949
170	Tube Tooth Interface And Cap	-	22.00	4	88
171	Air Foam Generator Pc8	-	175.50	4	702
TOTAL					9539992
11) Product Purification Unit					
1	Steel Structure	Ton	1408.36	371	522502
2	Steel Structure	Ton	1408.36	150	211254
3	Equipment Insulation - Fiber Bulk Materials -	1.3 M	216.67	165	35751

	General Specifications - Aluminium Silicate Fiber				
4	Moisture Barrier Layer, The Protective Layer Is Installed - Sheet Metal Nail Export - General Equipment - Aluminum Skin	10.2 M	79.95	290	23186
5	Storage Tank Anticorrosion (Inside)	M2	19.50	1000	19500
6	Storage Tank Anticorrosion (Outside)	M2	19.50	1000	19500
7	Coal Tar Epoxy Paint Anti-Corrosion - An End Of Both Sides	10.2 M	35.75	12	429
8	Coal Tar Epoxy Paint Anti-Corrosion - Per A Cloth Of A Oil	10.2 M	36.42	12	437
9	Moisture Barrier Layer, The Protective Layer Is Installed - Fire Retardant Coating Refractory Time: 2.5 Hours	10.2 M	200.20	60	12012
10	Carbon Steel Pipe	Ton	1745.42	295.739	516189
11	Stainless Steel Tube	Ton	14574.68	1.098	16003
12	Alloy Steel Pipe	Ton	6701.65	0.848	5683
13	Valve	-	302.21	3284	992461
14	Safety Valve	-	2829.93	68	192435
15	Filter	-	230.98	50	11549
16	Thermal Insulation - Felt Products	1.3 M	216.70	10	2167
17	Thermal Insulation - Fiber Products (Shell)	1.3 M	216.67	90	19500
18	Sheet Metal Screw Mouth	10.2 M	79.95	200	15990
19	Inorganic Zinc-Rich Primer Two Times	10.2 M	83.85	200	16770
20	Micaceous Iron Oxide Phenolic Antirust Paint	10.2 M	15.17	800	12134
21	Silver Alkyd Enamel	10.2 M	14.52	800	11614
22	Colored Pure Phenolic Enamel	10.2 M	7.37	200	1473
23	Iron Red Phenolic Antirust Paint	10.2 M	15.17	200	3033
24	Novolac	10.2 M	8.67	240	2080
25	Power Cablezra-Yjv22-0.6/1kv-3x150mm²	Kilometer	67160.26	0.312	20954
26	Power Cablezra-Yjv22-0.6/1kv-3x120mm²	Kilometer	53959.94	1.248	67342
27	Power Cablezra-Yjv22-0.6/1kv-3x120+1x70mm²	Kilometer	64256.41	0.78	50120
28	Power Cablezra-Yjv22-0.6/1kv-3x95mm²	Kilometer	43100.43	0.468	20171
29	Power Cablezra-Yjv22-0.6/1kv-3x50mm²	Kilometer	22957.69	0.78	17907
30	Power Cablezra-Yjv22-0.6/1kv-3x35mm²	Kilometer	16773.50	0.936	15700
31	Power Cablezra-Yjv22-0.6/1kv-3x50+1x25mm²	Kilometer	26695.51	0.624	16658
32	Power Cablezra-Yjv22-0.6/1kv-3x25mm²	Kilometer	12519.23	0.312	3906
33	Power Cablezr-Yjv22-0.6/1kv-4x16mm²	Kilometer	10872.71	1.092	11873

34	Power Cablezra-Yjv22-0.6/1kv-3x16mm²	Kilometer	8333.33	1.248	10400
35	Power Cablezra-Yjv22-0.6/1kv-3x10mm²	Kilometer	5576.12	1.248	6959
36	Power Cablezra-Yjv22-0.6/1kv-3x6mm²	Kilometer	3592.95	0.936	3363
37	Power Cablezra-Yjv22-0.6/1kv-3x4mm²	Kilometer	2614.10	1.56	4078
38	Control Cablezra-Kyjv22-450/750kv-10x2.5mm²	Kilometer	5410.26	2.496	13504
39	Control Cablezra-Kyjv22-450/750kv-7x1.5mm²	Kilometer	2568.59	6.24	16028
40	Fluorescent Lamp220v 2x36w Diibt4	Set	325.00	60	19500
41	Explosion-Proof Lamp220v 1x50w	Set	325.01	300	97502
42	Power Cablezr-Yjv-1kv/3x2.5mm2	Kilometer	1451.67	6	8710
43	Power Cablezr-Yjv-1kv/5x2.5mm2	Kilometer	2329.00	1	2329
44	Yellow And White Insulated Wirebv-500 70mm2	10 Meters	213.20	80	17056
45	Yellow And White Insulated Wirebv-500 25mm2	10 Meters	69.33	70	4853
46	Hot Dip Galvanized Steel Angle50x50x5	-	11.16	58	647
47	Hot Galvanized Flat Steel50x6	10 Meters	28.12	210	5906
48	Hot Galvanized Flat Steel40x4	10 Meters	14.30	210	3003
49	Copper Wire Trj-35	10 Meters	65.00	12	780
50	Copper Wire Trj-4	10 Meters	21.65	20	433
51	Explosion-Proof Flexible Tube	-	32.50	2	65
52	2*2*1.5mm2、On The Ground, Shielding, Flame Retardant	Kilometer	3131.11	0.9	2818
53	8*2*1.5mm2、On The Ground, Shielding, Flame Retardant	Kilometer	7551.25	0.8	6041
54	Loudspeaker Electric Cable	Kilometer	2166.67	0.15	325
55	System Electric Cable	Kilometer	10833.33	1.2	13000
56	Electric Cablervvp-3x2.5mm2	Kilometer	2166.67	0.75	1625
57	Supporting Electric Cable	Kilometer	10866.67	0.015	163
58	Single Mode Optical Fiber Cable Single-Mode, Four Core	100 M	325.07	7.5	2438
59	Metal Support Fabrication And Installation	Ton	782.62	3.809	2981
60	Instrumentation Line-Stainless Steel Tube	10 Meters	233.36	106.4	24829
61	Automatic Control Of Main Materials To Install -Instrumentation Line- Galvanized Steel Pipe	10 Meters	77.14	532	41036
62	Instrument Electric Cable12x2x1.5mm2	Kilometer	8320.00	2.8	23296
63	Instrument Electric Cable8x3x1.5mm2	Kilometer	6932.86	0.7	4853
64	Instrument Electric Cable4x1.5mm2	Kilometer	1664.00	14	23296

65	Instrument Electric Cable3×1.5mm2	Kilometer	1109.52	2.1	2330
66	Instrument Electric Cable3x2.5mm2	Kilometer	1248.10	4.2	5242
67	Instrument Electric Cable2x1.5mm2	Kilometer	970.69	70	67948
68	Instrument Electric Cablekx-2x1.5	Kilometer	1525.36	8.4	12813
69	Instrument Electric Cablekx-12x2x1.5	Kilometer	13174.29	0.7	9222
70	Socket Welding Condensation Container	-	216.71	7	1517
71	Socket Welding Isolation Container	-	216.64	14	3033
72	Internal Thread Ball Valve	-	130.00	56	7280
73	Gas Ball Valve	-	43.34	56	2427
74	Socket Welding Globe Valve Φ 14	-	130.00	175	22750
75	Instrument Electric Cable Bridge (Aluminum Alloy)	Ton	6066.78	18	109202
76	Water Supply And Drainage Steel Pipe	Ton	1085.32	52.474	56951
77	Ductile Cast Iron Pipe	10 Meters	437.16	125	54645
78	Valve	-	992.55	40	39702
79	Coal Tar Epoxy Paint Anti-Corrosion Pipeline - An End Of Both Sides	10.2 M	35.75	160	5720
80	Coal Tar Epoxy Paint Anti-Corrosion Pipeline - Per A Cloth Of A Oil	10.2 M	36.40	160	5824
81	Outdoor Ground Hydrant	Set	866.50	2	1733
82	Fire Hose Reel	Set	2708.43	7	18959
83	Eye Wash	10 Sets	13000.00	0.2	2600
TOTAL					3679998
12) Storage and Transport					
1	Construction Steel Structure Material	Ton	1240.99	1014	1258366
2	Steel Structure Material	Ton	1289.29	10633.5	13709622
3	Low Pressure Hydrocarbon Flame Tube	-	69786.00	1	69786
4	High Pressure Hydrocarbon Flame Tube	-	69786.00	1	69786
5	High Pressure Hydrocarbon Flame Tube	-	30754.00	1	30754
6	Platform Ladder	Ton	1272.36	42	53439
7	Equipment Insulation Fiber Bulk Materials Rockwool	M3	106.88	68	7268
8	Sheet Metal Nail Export - General Equipment - Galvanized Steel Sheet Δ=0.8	10.2 M	97.88	120	11745
9	Moisture Barrier Layer, The Protective Layer Is Installed - Fire Retardant Coating	10.2 M	105.00	0.2	21
10	Slop Tank Type Platform Ladder Steel Structure	Ton	1272.00	1	1272
11	Hot Water Tank Platform Ladder Steel Structure	Ton	1272.31	1.3	1654
12	Equipment Insulation Fiber Products (Plate) - Δ = 80 Mm - Wool	1.3 M	76.67	3	230

13	Equipment Insulation Fiber Products (Plate) - Δ = 60 Mm - Wool	1.3 M	77.50	0.4	31
14	Mobile Stairway	-	587.25	4	2349
15	Equipment Insulation Rockwool Board Δ =60 Mm	M3	76.54	312	23880
16	Light Corrugated Board	10 M2	178.13	495	88175
17	Water Hammerless Heater 150m2	M2	74.58	450	33561
18	Fluorine Rubber Belt	Meter	43.07	263.76	11359
19	Edge Water Facilities	Set	3872.25	4	15489
20	Fluorine Rubber Belt	Meter	43.06	197.82	8519
21	Edge Water Facilities	Set	3872.33	3	11617
22	Fluorine Rubber Belt	Meter	43.07	65.94	2840
23	Edge Water Facilities	Set	3872.00	1	3872
24	Crude oil floating roof tank (100000m3) （6 No.） material	Ton	793.65	12612	10009524
25	Internal floating roof tank (20000m3) （11 No.） material	Ton	793.65	4917	3902381
26	Dome roof tank(20000m3) （4 No.） material	Ton	793.65	1788	1419048
27	Internal floating roof tank(10000m3) （2 No.） material	Ton	793.65	420	333333
28	Dome roof tank(10000m3) （6 No.） material	Ton	793.65	1260	1000000
29	Internal floating roof tank(7000m3) （2 No.） material	Ton	793.65	286	226984
30	Internal floating roof tank(5000m3) （18 No.） material	Ton	793.65	2142	1700000
31	Dome roof tank(5000m3) （5 No.） material	Ton	793.65	595	472222
32	Internal floating roof tank(3000m3) （18 No.） material	Ton	793.88	1382	1097143
33	Internal floating roof tank（2000m3） （2 No.） material	Ton	794.85	125	99356
34	Internal floating roof tank（1000m3） （2 No.） material	Ton	789.55	58	45794
35	Dome roof tank （500m3） （3 No.） material	Ton	793.65	66	52381
36	Aluminium internal floating cover (100000m3)	Set	241269.83	6	1447619
37	Aluminium internal floating cover (20000m3)	Set	60317.45	11	663492
38	Aluminium internal floating cover (10000m3)	Set	30158.50	2	60317
39	Aluminium internal floating cover (7000m3)	Set	21111.00	2	42222
40	Aluminium internal floating cover (5000m3)	Set	15079.39	18	271429

41	Aluminium internal floating cover (3000m3)	Set	9047.61	18	162857
42	Aluminium internal floating cover (2000m3)	Set	6031.50	2	12063
43	Aluminium internal floating cover (1000m3)	Set	3016.00	2	6032
44	Fluorine Rubber Belt	Meter	43.06	106.76	4597
45	Edge Water Facilities	Set	3134.50	2	6269
46	Internal Floating Roof Tank Sealing Strip	Set	4598.00	6	27588
47	Internal Floating Roof Tank Edge Water Facilities	Set	6269.00	6	37614
48	Manhole	-	156.50	2	313
49	Edge Water Facilities	Set	2802.50	2	5605
50	Edge Water Facilities	Set	2434.00	2	4868
51	Harmonic Nozzle	-	4933.00	2	9866
52	Mechanical Breathing Valve (With Back-Fire Relief Valve)Dn200 Pn2.0	-	7830.00	2	15660
53	Mechanical Breathing Valve (With Back-Fire Relief Valve)Dn150 Pn2.0	-	6264.00	2	12528
54	Emergency Relief Valve Dn500 Pn5.0	-	14093.75	4	56375
55	Acrylic Tank Anticorrosion (Reflective Heat-Insulating Coating)Steel Structure	Ton	1272.33	9	11451
56	Acrylic Tank Anticorrosion (Reflective Heat-Insulating Coating) Heat Treatment Of Diesel Consumption	Ton	1174.50	12	14094
57	Propylene Tank Steel Structure	Ton	1272.33	3	3817
58	Acrylic Tank Heat Treatment Of Diesel Consumption	Ton	1174.33	3	3523
59	Automatic Recirculation Valve Dn200 Pn5.0	-	9787.00	1	9787
60	Liquefied Petroleum Gas Tank Steel Structure	Ton	1272.36	64	81431
61	Heat Treatment Of Diesel Oil Consumption Of Liquefied Petroleum Gas Tank	Ton	1174.49	76.8	90201
62	Automatic Recirculation Valve Dn150 Pn5.0	-	7927.67	3	23783
63	Automatic Recirculation Valve Dn250 Pn5.0	-	9689.67	3	29069
64	Automatic Recirculation Valve Dn350 Pn5.0	-	13213.00	3	39639
65	0321-Gh-001 Gasometer	-	681203.00	1	681203
66	Breather Valve Dn80	-	2936.00	1	2936
67	Cathodic Protection	Set	19575.00	1	19575
68	Platform Ladder -Steel Structure	Tonne	1272.44	4.1	5217
69	Equipment Heat Insulation -Fibre Products (Board)	M3	76.57	7	536
70	Installation Of Moisture Barrier &Protective Layer-Metal Sheet Nailed	10m2	72.25	12	867
71	Fire-Resisting Paint	10m2	104.21	1.9	198

72	Equipment Heat Insulation - Fibre Products (Board)-Δ60mm -Rock Wool	M3	76.36	3.3	252
73	Installation Of Moisture Barrier &Protective Layer -Sheet Metal Nailed-Aluminium Sheet Δ=0.7	10m2	72.22	5.4	390
74	Equipment Heat Insulation-Rock Wool Board Δ=80mm	M3	76.54	106	8113
75	Light-Duty Corrugated Sheet	10m2	178.13	200	35626
76	Tank Top Thermal Insulation Δ=40mm	M3	489.40	15	7341
77	Non -Water Hammer Heater 150m2	M2	74.58	140	10441
78	Equipment Heat Insulation -Rock Wool Board Δ=80mm	M3	76.54	67	5128
79	Light-Duty Corrugated Sheet	10m2	178.13	100	17813
80	Tank Deck-Thermal Insulation Δ=40mm	M3	489.33	7.5	3670
81	Non -Water Hammer Heater 150m2	M2	74.59	70	5221
82	Fluoro-Rubber Belt	Meter	43.06	91.06	3921
83	Edge Waterproof Facility	Set	2673.50	2	5347
84	Aluminium Internal Floating Cover	Set	17539.00	3	52617
85	Fluoro-Rubber Belt	Set	2839.67	3	8519
86	Edge Waterproof Facility	Set	3872.33	3	11617
87	Automatic Reflux Valve Dn200 Pn2.0	-	6264.00	1	6264
88	Automatic Reflux Valve Dn200 Pn2.0	-	6264.00	1	6264
89	Automatic Reflux Valvedn200 Pn5.0	-	7830.00	2	15660
90	Y Type Filter	-	293.77	13	3819
91	Metal Hose Pn2.0	-	109.60	10	1096
92	Safety Valve	-	880.75	4	3523
93	Inorganic Zine-Rich Primer	10m2	75.76	120	9091
94	Carbon Steel Valve	-	214.20	397	85038
95	Filter	-	974.80	10	9748
96	Metal Hose Pn2.0	-	118.82	22	2614
97	Safety Valve	-	880.89	18	15856
98	Inorganic Zine-Rich Primer	10m2	75.75	8	606
99	Valve	-	366.23	167	61161
100	Sliding Pipe Bracket		293.63	43	12626
101	Metal Hose	-	371.36	22	8170
102	Safety Valve	-	880.83	12	10570
103	Pipeline-Aluminium Sheet	10m2	72.32	2.572	186
104	Valve	-	563.94	278	156776
105	T Type Filter		430.60	5	2153
106	Safety Valve		3612.00	21	75852
107	Valve	-	421.50	399	168177

108	Filter	-	536.86	7	3758
109	Safety Valve		3382.53	30	101476
110	Valve	-	607.82	114	69292
111	Safety Valve	-	880.83	6	5285
112	T Type Filter	-	405.50	14	5677
113	Pipe Bracket	-	328.87	15	4933
114	Valve	-	239.91	229	54940
115	Valve	-	178.20	104	18533
116	Valve	-	189.28	98	18549
117	T Type Filter	-	323.00	4	1292
118	Metal Hose	-	107.63	8	861
119	Stainless Steel Pipeline	Mt	8829.31	11.02	97299
120	T Type Filter	-	587.50	2	1175
121	Slidingpipe Bracketdn1100	-	2153.23	26	55984
122	Fixedpipe Bracketdn1100	-	2153.00	2	4306
123	Safety Valvesv-001 Pn2.0 40/50	-	881.00	2	1762
124	Safety Valvesv-002 Pn2.0 40/50	-	881.00	2	1762
125	Inorganic Zine-Rich Primer	10m2	75.76	70	5303
126	Heat Conduction Plaster	Mt	4893.85	1.3	6362
127	Valve	-	928.97	100	92897
128	Safety Valve	-	4623.67	3	13871
129	Basket Type Filter	-	5872.00	1	5872
130	Sliding Pipe Bracketdn500	-	822.15	20	16443
131	Fixed Pipe Bracketdn500	-	822.00	1	822
132	Carbon Steel Pipeline	Mt	1591.60	5624.782	8952406
133	Alloy Steel Pipeline	Mt	5648.70	244.1156	1378937
134	Valve	-	96.03	1134	108901
135	Fixed Pipe Bracket (Insulation) Dn450	-	495.25	4	1981
136	Fixed Pipe Bracket (Insulation) Dn300	-	375.83	6	2255
137	Guiding Pipe Bracket (Insulation) Dn450	-	632.25	8	5058
138	Guiding Pipe Bracket (Insulation) Dn300	-	544.17	12	6530
139	Sliding Pipe Bracket(Insulation) Dn450	-	591.17	12	7094
140	Sliding Pipe Bracket(Insulation) Dn350	-	520.00	3	1560
141	Sliding Pipe Bracket(Insulation) Dn300	-	539.69	32	17270
142	Sliding Pipe Bracket(Insulation) Dn250	-	476.00	3	1428
143	Sliding Pipe Bracket(Insulation) Dn200	-	433.33	3	1300
144	Sliding Pipe Bracket(Insulation) Dn150	-	394.25	4	1577

145	Sliding Pipe Bracket(Insulation) Dn50	-	192.00	5	960
146	Fixed Pipe Bracket Dn1100	-	505.63	30	15169
147	Fixed Pipe Bracket Dn500	-	181.86	35	6365
148	Fixed Pipe Bracket Dn450	-	164.24	17	2792
149	Fixed Pipe Bracket Dn400	-	154.24	21	3239
150	Fixed Pipe Bracket Dn350	-	110.60	30	3318
151	Fixed Pipe Bracket Dn300	-	103.75	68	7055
152	Fixed Pipe Bracket Dn250	-	91.03	30	2731
153	Fixed Pipe Bracket Dn200	-	84.17	54	4545
154	Fixed Pipe Bracket Dn150	-	55.79	117	6527
155	Fixed Pipe Bracket Dn100	-	53.43	28	1496
156	Fixed Pipe Bracket Dn80	-	48.36	28	1354
157	Fixed Pipe Bracket Dn50	-	41.68	19	792
158	Guiding Pipe Bracket Dn1100	-	857.17	52	44573
159	Guiding Pipe Bracket Dn500	-	181.85	60	10911
160	Guiding Pipe Bracket Dn450	-	164.23	30	4927
161	Guiding Pipe Bracket Dn400	-	154.24	37	5707
162	Guiding Pipe Bracket Dn350	-	110.60	50	5530
163	Guiding Pipe Bracket Dn300	-	103.75	116	12035
164	Guiding Pipe Bracket Dn250	-	91.02	52	4733
165	Guiding Pipe Bracket Dn200	-	84.17	93	7828
166	Guiding Pipe Bracket Dn150	-	55.79	202	11269
167	Guiding Pipe Bracket Dn100	-	53.64	47	2521
168	Guiding Pipe Bracket Dn80	-	48.35	49	2369
169	Guiding Pipe Bracket Dn50	-	41.11	35	1439
170	Sliding Pipe Bracketdn1100	-	824.88	166	136930
171	Sliding Pipe Bracketdn700	-	399.67	3	1199
172	Sliding Pipe Bracketdn600	-	185.00	3	555
173	Sliding Pipe Bracketdn500	-	165.60	191	31630
174	Sliding Pipe Bracketdn450	-	148.18	95	14077
175	Sliding Pipe Bracketdn400	-	138.20	116	16031
176	Sliding Pipe Bracketdn350	-	94.35	164	15473
177	Sliding Pipe Bracketdn300	-	87.69	376	32973
178	Sliding Pipe Bracketdn250	-	74.78	165	12338
179	Sliding Pipe Bracketdn200	-	68.12	295	20095
180	Sliding Pipe Bracketdn150	-	93.96	645	60604
181	Sliding Pipe Bracketdn100	-	33.08	156	5161
182	Sliding Pipe Bracketdn80	-	27.80	152	4225
183	Sliding Pipe Bracketdn50	-	38.76	104	4031

184	Pipeline-Aluminium Sheet	10m2	72.23	4087.3	295230
185	Heat Transfer Plaster	Mt	4893.71	14	68512
186	Valve	-	205.62	253	52023
187	Y Type Filter Dn50	-	116.33	6	698
188	T Type Filterdn200	-	565.50	2	1131
189	T Type Filterdn150	-	352.33	3	1057
190	Metal Hose Pn2.0dn150 L=1800mm	-	146.67	3	440
191	Metal Hose Pn2.0dn300 L=2600mm	-	611.00	2	1222
192	Metal Hose Pn2.0dn200 L=2000mm	-	293.50	2	587
193	Safety Valve		783.00	6	4698
194	Valve	-	310.83	229	71181
195	T Type Filter Carbon Steeldn250	*-	783.00	1	783
196	T Type Filter Carbon Steeldn200	*-	587.50	2	1175
197	T Type Filter Carbon Steeldn150	*-	352.50	2	705
198	Metal Hosedn350,L=2800 Pn2.0	-	356.33	3	1069
199	Metal Hosedn300,L=2600 Pn5.0	-	611.00	2	1222
200	Metal Hosedn150,L=1800 Pn2.0	-	235.00	3	705
201	Metal Hosedn150,L=1800 Pn5.0	-	293.50	2	587
202	Magnetic Complex Filter Dn200 Pn.5.0	-	514.00	2	1028
203	Safety Valve	-	4795.85	13	62346
204	Pipeline -Aluminium Sheet	10m2	58.72	50.7	2977
205	Valve	-	188.97	78	14740
206	Sv-001 Safety Valve	-	881.00	1	881
207	Prv-001 Relief Valve	-	979.00	1	979
208	Filterdn100 Pn2.0mpaxsch40	-	293.50	2	587
209	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x120+1x70mm²	Km	58050.98	0.765	44409
210	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x150mm²	Km	60677.04	0.675	40957
211	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x95mm²	Km	38938.89	0.36	14018
212	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x50+1x25mm²	Km	24124.07	1.62	39081
213	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x50mm²	Km	20739.20	0.648	13439
214	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x16mm²	Km	7528.15	1.35	10163
215	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/4x25mm²	Km	14880.56	1.08	16071
216	Power Cable Termite Proof Zra-Yjv22-	Km	6079.80	0.99	6019

	0.6/1kv/4x10mm²				
217	Control Cable Termite Proof Zra-Kyjv22-450/750v-10x2.5mm²	Km	4887.88	1.98	9678
218	Control Cable Termite Proof Zra-Kyjv22-450/750v-10x1.5mm²	Km	3206.45	1.395	4473
219	Aluminum Alloy Framework Of Bridge 600mmx150mm, L=2000mm	T	5481.00	8	43848
220	Organic Fireproof Plugging Material	T	3916.00	0.5	1958
221	Other -Metal Support-Galvanized Metal Support	Mt	1043.28	9.104	9498
222	Explosion Proof Electrodeless Lamp	Set	293.63	35	10277
223	Explosion Proof Electrodeless Lamp	Set	293.64	14	4111
224	Explosion Proof Floodlit Electrodeless Lamp	Set	293.57	7	2055
225	Explosion Proof Floodlit Electrodeless Lamp With 8m Upright Pole	Set	1174.50	10	11745
226	Cable Zra-Yjv-0.6/1kv-3x2.5mm²	Km	1310.91	0.55	721
227	Cable Zra-Yjv22-0.6/1kv-3x2.5mm²	Km	1573.08	0.52	818
228	Other -Metal Support-Galvanized Metal Support	Mt	1042.42	0.33	344
229	Earthing Detection Well	-	391.50	4	1566
230	Yellow Green Interlacing Insulated Wire 35mm2	10 Meters	62.67	15	940
231	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x120+1x70mm²	Km	58051.61	1.899	110240
232	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x185+1x95mm²	Km	87664.97	0.3546	31086
233	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x240mm²	Km	96779.94	0.7416	71772
234	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x95mm²	Km	38939.39	0.7128	27756
235	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x70mm²	Km	28832.01	2.1096	60824
236	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x70+1x35mm²	Km	33656.79	0.81	27262
237	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x50+1x25mm²	Km	24123.99	0.621	14981
238	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x35mm²	Km	15154.07	0.675	10229
239	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x10mm²	Km	5039.12	0.3834	1932
240	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/4x25mm²	Km	14880.70	1.2951	19272
241	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/4x6mm²	Km	4147.85	1.1025	4573
242	Control Cablezra-Kyjv22-450/750v-10x2.5mm²	Km	4888.00	1.616	7899

243	Control Cablezra-Kyjv22-450/750v-10x1.5mm²	Km	3206.60	3.514	11268
244	Framework Of Bridge For Cable(Aluminum Alloy) 600mmx150mm, L=2000mm	Mt	5480.93	15	82214
245	Organic Fireproof Plugging Material	T	3916.00	0.5	1958
246	Other -Metal Support-Galvanized Metal Support	Mt	1043.31	13.254	13828
247	Explosion Proof Electrodeless Lamp	Set	293.62	55	16149
248	Explosion Proof Electrodeless Lamp	Set	293.60	20	5872
249	Explosion Proof Floodlit Electrodeless Lamp	Set	293.67	9	2643
250	Explosion Proof Floodlit Electrodeless Lamp With 8m Upright Pole	Set	1174.50	16	18792
251	Lighting -Explosion-Proof Lighting-Unit Zone	10set	648.70	10	6487
252	Cablezra-Yjv-0.6/1kv-3x2.5mm²	Km	1309.80	0.51	668
253	Cablezra-Yjv22-0.6/1kv-3x2.5mm²	Km	1572.57	1.13	1777
254	Other -Metal Support-Galvanized Metal Support	Mt	1042.02	0.357	372
255	Earthing Detection Well	-	391.50	4	1566
256	Hot-Galvanized Flat Steel 50x6	10 Meters	25.41	175	4446
257	Brass &Bronze Stranded Cable 35mm2	10 Meters	62.67	15	940
258	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x120+1x70mm²	Km	58051.46	0.4275	24817
259	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-4x35mm²	Km	20234.21	0.76	15378
260	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-4x25mm²	Km	14879.53	0.4275	6361
261	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-4x6mm²	Km	4148.42	0.95	3941
262	Framework Of Bridge For Cable(Aluminum Alloy) 600mmx150mm, L=2000mm	T	5480.80	2.5	13702
263	Other -Metal Support-Galvanized Metal Support	Mt	1043.31	6.627	6914
264	Explosion Proof Electrodeless Lamp	Set	293.62	45	13213
265	Explosion Proof Floodlit Electrodeless Lamp With 8m Upright Pole	Set	1174.50	10	11745
266	Lighting -Explosion-Proof Lighting-Unit Zone	10set	648.73	5.5	3568
267	Cablezra-Yjv-0.6/1kv-3x2.5mm²	Km	1310.91	0.55	721
268	Cablezra-Yjv22-0.6/1kv-3x2.5mm²	Km	1573.33	0.6	944
269	Other -Metal Support-Galvanized Metal Support	Mt	1043.61	0.321	335
270	Earthing Detection Well	-	392.00	1	392
271	Brass &Bronze Stranded Cable 35mm2	10 Meters	62.60	5	313
272	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/4x6mm²	Km	4148.54	0.855	3547
273	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x95+1x50mm²	Km	45533.40	0.988	44987

274	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x95mm²	Km	38939.27	0.494	19236
275	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x25+1x16mm²	Km	13610.32	0.988	13447
276	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x120mm²	Km	48749.33	2.964	144493
277	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x185+1x90mm²	Km	87663.97	0.494	43306
278	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x150mm²	Km	60678.14	0.494	29975
279	Control Cable Termite Proof Zra-Kyjv22-450/750v/7x1.5mm²	Km	2321.15	0.52	1207
280	Control Cable Termite Proof Zar-Kyjv22-450/750v/10x2.5mm²	Km	4887.98	2.08	10167
281	Control Cable Termite Proof Zra-Djyjpvp-0.5kv-20x2.5mm²	Km	12370.00	0.2	2474
282	Aluminum Alloy Framework Of Bridge	T	5481.00	5	27405
283	Organic Fireproof Plugging Material	T	3916.00	0.5	1958
284	Other -Metal Support-Galvanized Metal Support	Mt	1042.29	0.402	419
285	Explosion Proof Electrodeless Lamp With Upright Pole	Set	293.60	15	4404
286	Explosion Proof Electrodeless Lamp With Bent Pole	Set	293.60	10	2936
287	Explosion Proof Floodlit Electrodeless Lamp	Set	293.57	7	2055
288	Explosion Proof Floodlit Electrodeless Lamp With 8m Upright Pole	Set	1566.00	6	9396
289	Lighting -Explosion-Proof Lighting-Unit Zone	10set	648.68	3.8	2465
290	Cablezra-Yjv-0.6/1kv-3x2.5mm²	Km	1310.00	0.4	524
291	Cablezra-Yjv22-0.6/1kv-3x2.5mm²	Km	1573.33	0.45	708
292	Other -Metal Support-Galvanized Metal Support	Mt	1041.86	0.215	224
293	Earthing Detection Well	-	391.67	3	1175
294	Brass &Bronze Stranded Cable 35mm2	10 Meters	58.72	25	1468
295	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/4x10mm²	Km	6531.93	1.425	9308
296	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x95+1x50mm²	Km	45533.33	0.855	38931
297	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x70mm²	Km	28831.58	1.33	38346
298	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x25+1x16mm²	Km	13610.53	1.52	20688
299	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x150mm²	Km	60676.69	0.665	40350

300	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x185+1x90mm²	Km	87664.33	0.855	74953
301	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x10mm²	Km	5037.59	0.3325	1675
302	Control Cable Termite Proof Zra-Kyjv22-450/750v/7x1.5mm²	Km	2321.14	1.75	4062
303	Control Cable Termite Proof Zar-Kyjv22-450/750v/10x2.5mm²	Km	4887.14	0.7	3421
304	Control Cable Termite Proof Zra-Djyjpvp-0.5kv-20x2.5mm²	Km	12370.00	0.2	2474
305	Aluminum Alloy Framework Of Bridge	T	5480.90	10	54809
306	Organic Fireproof Plugging Material	T	3916.00	0.5	1958
307	Other -Metal Support-Galvanized Metal Support	Mt	1042.29	0.402	419
308	Explosion Proof Electrodeless Lamp	Set	293.63	40	11745
309	Explosion Proof Electrodeless Lamp	Set	293.60	15	4404
310	Explosion Proof Floodlit Electrodeless Lamp	Set	293.60	10	2936
311	Explosion Proof Floodlit Electrodeless Lamp With 8m Upright Pole	Set	1174.50	12	14094
312	Lighting -Explosion-Proof Lighting-Unit Zone	10set	648.70	7.7	4995
313	Cablezra-Yjv-0.6/1kv-3x2.5mm²	Km	1310.39	0.77	1009
314	Cablezra-Yjv22-0.6/1kv-3x2.5mm²	Km	1574.00	0.5	787
315	Other -Metal Support-Galvanized Metal Support	Mt	1042.67	0.375	391
316	Earthing Detection Well	-	391.50	2	783
317	Brass &Bronze Stranded Cable 35mm2	10 Meters	58.73	66	3876
318	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/4x16mm²	Km	9823.05	0.486	4774
319	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x95mm²	Km	38938.27	0.324	12616
320	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x35+1x25mm²	Km	24123.46	0.162	3908
321	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x35mm²	Km	15153.44	1.134	17184
322	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x185+1x90mm²	Km	87666.67	0.162	14202
323	Control Cable Termite Proof Zra-Kyjv22-450/750v/7x1.5mm²	Km	2320.99	0.324	752
324	Control Cable Termite Proof Zra-Kyjv22-450/750v/10x2.5mm²	Km	4888.01	1.134	5543
325	Control Cable Termite Proof Zra-Djyjpvp-0.5kv-20x2.5mm²	Km	12372.22	0.18	2227
326	Aluminum Alloy Framework Of Bridge	T	5481.00	4	21924
327	Organic Fireproof Plugging Material	T	3916.00	0.5	1958

328	Others-Metal Support - Galvanized Metal Support	Mt	1042.29	0.402	419
329	Explosion Proof Electrodeless Lamp	Set	293.60	20	5872
330	Explosion Proof Electrodeless Lamp	Set	293.60	20	5872
331	Lighting -Explosion-Proof Lighting-Unit Zone	10set	648.75	4	2595
332	Cablezra-Yjv-0.6/1kv-3x2.5mm²	Km	1311.11	0.36	472
333	Cablezra-Yjv22-0.6/1kv-3x2.5mm²	Km	1574.07	0.27	425
334	Earthing Detection Well	-	391.67	3	1175
335	Brass &Bronze Stranded Cable 35mm2	10 Meters	62.65	20	1253
336	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x240+1x120mm²	Km	112789.50	0.8955	101003
337	Power Cable Termite Proof Zra-Yjv22-1kv/4x25mm²	Km	14880.09	1.3635	20289
338	Framework Of Bridge For Cable (Aluminum Alloy)600mmx150mm,L=2000mm	Mt	5480.93	15	82214
339	Organic Fireproof Plugging Material	T	3920.00	0.1	392
340	Other -Metal Support-Galvanized Metal Support	Mt	1043.37	4.15	4330
341	Explosion Proof Electrodeless Lamp	Set	293.63	46	13507
342	Explosion Proof Electrodeless Lamp	Set	293.63	88	25839
343	Explosion Proof Floodlit Electrodeless Lamp	Set	293.64	22	6460
344	Lighting -Explosion-Proof Lighting-Unit Zone	10set	648.72	15.6	10120
345	Cablezra-Yjv-0.6/1kv-3x2.5mm²	Km	1310.63	0.837	1097
346	Cablezra-Yjv22-0.6/1kv-3x2.5mm²	Km	1574.07	0.378	595
347	Other -Metal Support-Galvanized Metal Support	Mt	1042.83	0.51015	532
348	Earthing Detection Well	-	392.00	1	392
349	Brass &Bronze Stranded Cable 35mm2	10 Meters	58.75	20	1175
350	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-4x25mm2	Km	14880.60	1.809	26919
351	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-4x10mm2	Km	6532.76	0.351	2293
352	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x240+1x120mm2	Km	112790.12	0.405	45680
353	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x50+1x25mm2	Km	24159.54	0.351	8480
354	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x50mm2	Km	20739.68	1.26	26132
355	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x16mm2	Km	7528.21	1.755	13212
356	Power Cable Termite Proof Zra-Yjv-0.6/1kv-3x4mm2	Km	2047.82	0.711	1456
357	Control Cable Termite Proof Zra-Kyjv22-0.45/0.75kv-5x2.5mm2	Km	2636.36	5.94	15660

358	Framework Of Bridge For Cable (Aluminum Alloy)600mmx150mm, L=2000mm	Mt	5481.00	3	16443
359	Organic Fireproof Plugging Material	T	3920.00	0.1	392
360	Other -Metal Support-Galvanized Metal Support	Mt	1043.45	3.314	3458
361	Explosion Proof Electrodeless Lamp	Set	293.60	5	1468
362	Explosion Proof Electrodeless Lamp	Set	293.64	22	6460
363	Explosion Proof Floodlit Electrodeless Lamp	Set	293.67	6	1762
364	Explosion Proof Floodlit Electrodeless Lamp With 8m Upright Pole	Set	1174.50	6	7047
365	Lighting -Explosion-Proof Lighting-Unit Zone	10set	648.72	3.9	2530
366	Double-Barrelled Fluorescent Lamp	Set	39.14	36	1409
367	Lighting - Non-Explosion-Proof Lighting -General Lighting	10set	212.22	3.6	764
368	Conductor Bv-0.45/0.75kv/1x2.5mm²	Km	255.00	1	255
369	Cablezra-Yjv-0.6/1kv-3x2.5mm²	Km	1311.11	0.27	354
370	Cablezra-Yjv22-0.6/1kv-3x2.5mm²	Km	1573.10	0.171	269
371	Other -Metal Support-Galvanized Metal Support	Mt	1044.56	0.38485	402
372	Earthing Detection Well	-	392.00	1	392
373	Brass &Bronze Stranded Cable 35mm2	10 Meters	62.65	20	1253
374	Earthing Copper Bar	-	391.57	7	2741
375	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x185+1x95mm²	Km	87663.82	0.351	30770
376	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x70+1x35mm²	Km	33658.12	0.351	11814
377	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x50mm²	Km	20739.73	1.6425	34065
378	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-4x25mm²	Km	14880.45	0.711	10580
379	Control Cable Termite Proof Zra-Kyjv22-0.5kv-7x1.5mm²	Km	2320.85	1.6425	3812
380	Organic Fireproof Plugging Material	T	3916.00	0.5	1958
381	Framework Of Bridge For Cable(Aluminum Alloy) 600mmx150mm, L=2000mm	Mt	5481.00	3	16443
382	Other -Metal Support-Galvanized Metal Support	Mt	1043.25	8.3	8659
383	Waterproof Dustproof Electrodeless Lamp	Set	293.64	25	7341
384	Waterproof Dustproof Electrodeless Lamp	Set	293.60	10	2936
385	Waterproof Dustproof Floodlit Electrodeless Lamp With 8m Upright Pole	Set	1174.50	6	7047
386	Wire Bv-0.5kv-1x2.5mm2	Km	196.25	0.8	157
387	Cablezra-Yjv22-0.6/1kv-3x2.5mm²	Km	1575.00	0.2	315
388	Other -Metal Support-Galvanized Metal Support	Mt	1043.48	0.161	168

389	Earthing Detection Well	-	391.50	2	783
390	Copper Stranded Cable Trj-35	10 Meters	58.74	34	1997
391	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/4x6mm²	Km	4148.00	0.5	2074
392	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/4x16mm²	Km	9822.78	0.79	7760
393	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x95+1x50mm²	Km	45533.77	1.51	68756
394	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x70mm²	Km	28832.00	3	86496
395	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x50mm²	Km	20739.81	2.16	44798
396	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x4mm²	Km	2361.90	0.42	992
397	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x35+1x25mm²	Km	24124.34	1.52	36669
398	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x25mm²	Km	11309.49	1.58	17869
399	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x240+1x120mm²	Km	112789.47	1.52	171440
400	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x150+1x75mm²	Km	68505.06	0.79	54119
401	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x120mm²	Km	48750.00	0.72	35100
402	Control Cable Termite Proof Zar-Kyjv22-450/750v/10x2.5mm²	Km	4887.85	5.76	28154
403	Control Cable Termite Proof Zra-Djyjpvp-0.5kv-20x2.5mm²	Km	12370.00	0.2	2474
404	Aluminum Alloy Framework Of Bridge	T	5481.00	4	21924
405	Organic Fireproof Plugging Material	T	3916.00	0.5	1958
406	Other -Metal Support-Galvanized Metal Support	Mt	1042.29	0.402	419
407	Double-Barrelled Fluorescent Lamp	Set	39.20	10	392
408	Double-Barrelled Fluorescent Lamp	Set	39.20	10	392
409	Lighting - Non-Explosion-Proof Lighting -General Lighting	10set	212.00	2	424
410	Explosion Proof Electrodeless Lamp With Upright Pole	Set	293.60	10	2936
411	Explosion Proof Electrodeless Lamp With Bent Pole	Set	293.60	20	5872
412	Lighting -Explosion-Proof Lighting-Unit Zone	10set	648.67	3	1946
413	Explosion Proof Aviation Obstacle Light	Set	1566.00	16	25056
414	Lighting - Marker Light -Chimney, Independent	10set	1227.50	1.6	1964

	Type Tower				
415	Cablezra-Yjv-0.6/1kv-3x2.5mm²	Km	1310.00	0.2	262
416	Cablezra-Yjv22-0.6/1kv-3x2.5mm²	Km	1573.08	0.52	818
417	Cablezra-Yjv22-0.6/1kv-3x4mm²	Km	2251.43	0.35	788
418	Cablezr-Djyjpvp22-2x2x1.5	Km	3115.00	0.4	1246
419	Other -Metal Support-Galvanized Metal Support	Mt	1041.90	0.358	373
420	Earthing Detection Well	-	391.50	2	783
421	Brass &Bronze Stranded Cable 35mm2	10 Meters	62.65	20	1253
422	Power Cable Termite Proof Zra-Yjv22-8.7/10kv/3x70mm²	Km	39681.25	0.9945	39463
423	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x185+1x95mm²	Km	87664.54	0.7065	61935
424	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x70mm²	Km	28833.19	0.3411	9835
425	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x35mm²	Km	15153.51	0.684	10365
426	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x10mm²	Km	5038.55	0.6615	3333
427	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x6mm²	Km	3245.72	2.6595	8632
428	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x4mm²	Km	2362.24	1.9854	4690
429	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/4x25mm²	Km	14880.27	1.044	15535
430	Power Cable Termite Proof Zra-Kyjv22-450/750v-14x2.5mm²	Km	7478.13	0.9945	7437
431	Power Cable Termite Proof Zra-Kyjv22-450/750v-10x1.5mm²	Km	3206.53	5.67	18181
432	Aluminum Alloy Framework Of Bridge	T	5480.94	16	87695
433	Organic Fireproof Plugging Material	T	3920.00	0.1	392
434	Other -Metal Support-Galvanized Metal Support	Mt	1043.32	11.219	11705
435	Explosion Proof Electrodeless Lamp	Set	293.60	20	5872
436	Explosion Proof Electrodeless Lamp	Set	293.63	16	4698
437	Cablezra-Yjv22-0.6/1kv-3x2.5mm²	Km	1650.75	0.335	553
438	Explosion Proof Floodlit Electrodeless Lamp	Set	293.75	4	1175
439	Explosion Proof Floodlit Electrodeless Lamp With 8m Upright Pole	Set	1174.50	6	7047
440	Double-Barrelled Fluorescent Lamp	Set	39.00	2	78
441	Cablezra-Yjv-0.6/1kv-3x2.5mm²	Km	1311.11	0.225	295
442	Indoor Cold Shrunk Cable Head	-	587.17	6	3523
443	Other -Metal Support-Galvanized Metal Support	Mt	1041.49	0.241	251

444	Earthing Detection Well	-	391.50	2	783
445	Brass &Bronze Stranded Cable 35mm2	10 Meters	58.73	15	881
446	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x120+1x70mm²	Km	58052.22	0.9	52247
447	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x50+1x25mm²	Km	24124.79	1.17	28226
448	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x70mm²	Km	28832.75	0.4275	12326
449	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x35mm²	Km	14780.05	0.2205	3259
450	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x25mm²	Km	10861.40	0.4365	4741
451	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-4x25mm²	Km	14880.00	0.45	6696
452	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-4x10mm²	Km	6533.33	0.27	1764
453	Control Cablezra-Kyjv22-0.5kv-10x1.5mm²	Km	3022.83	0.657	1986
454	Control Cablezra-Kyjv22-0.5kv-10x2.5mm²	Km	4888.89	0.4275	2090
455	Organic Fireproof Plugging Material	T	3916.00	0.5	1958
456	Framework Of Bridge For Cable (Aluminum Alloy)600mmx150mm, L=2000mm	Mt	5481.00	4	21924
457	Other -Metal Support-Galvanized Metal Support	Mt	1043.31	6.627	6914
458	Explosion Proof Electrodeless Lamp	Set	293.63	30	8809
459	Explosion Proof Electrodeless Lamp	Set	293.58	12	3523
460	Explosion Proof Floodlit Electrodeless Lamp	Set	293.75	4	1175
461	Explosion Proof Floodlit Electrodeless Lamp With 8m Upright Pole	Set	1174.50	8	9396
462	Cable Termite Proof Zra-Yjv-0.6/1kv-3x2.5mm²	Km	1311.34	0.485	636
463	Cable Termite Proof Zra-Yjv22-0.6/1kv-3x2.5mm²	Km	1572.50	0.4	629
464	Other -Metal Support-Galvanized Metal Support	Mt	1044.07	0.295	308
465	Earthing Detection Well	-	392.00	1	392
466	Brass &Bronze Stranded Cable 35mm2	10 Meters	62.63	30	1879
467	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x185+1x95mm²	Km	87664.96	0.585	51284
468	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x50+1x25mm²	Km	24124.50	1.494	36042
469	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x50mm²	Km	20739.87	1.1475	23799
470	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x35mm²	Km	14777.78	0.585	8645
471	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-4x25mm²	Km	14879.91	0.891	13258

472	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-4x4mm²	Km	2973.33	0.225	669
473	Control Cablezra-Kyjv22-0.5kv-10x1.5mm²	Km	3023.53	2.295	6939
474	Control Cablezra-Kyjv22-0.5kv-10x2.5mm²	Km	4888.89	0.27	1320
475	Organic Fireproof Plugging Material	T	3916.00	0.5	1958
476	Framework Of Bridge For Cable(Aluminum Alloy) 600mmx150mm, L=2000mm	Mt	5481.00	5	27405
477	Other -Metal Support-Manufacture &Installation Of Galvanized Metal Support	Mt	1043.31	13.254	13828
478	Explosion Proof Electrodeless Lamp	Set	293.63	30	8809
479	Explosion Proof Electrodeless Lamp	Set	293.60	10	2936
480	Explosion Proof Floodlit Electrodeless Lamp	Set	293.75	4	1175
481	Explosion Proof Floodlit Electrodeless Lamp With 8m Upright Pole	Set	1174.50	6	7047
482	Cable Termite Proof Zra-Yjv-0.6/1kv-3x2.5mm²	Km	1310.00	0.5	655
483	Cable Termite Proof Zra-Yjv22-0.6/1kv-3x2.5mm²	Km	1575.00	0.2	315
484	Other -Metal Support-Galvanized Metal Support	Mt	1044.84	0.223	233
485	Earthing Detection Well	-	391.50	4	1566
486	Brass &Bronze Stranded Cable 35mm2	10 Meters	62.67	15	940
487	Other -Metal Support-Galvanized Metal Support	Mt	1043.33	1.5	1565
488	Organic Fireproof Plugging Material	T	3916.00	0.5	1958
489	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x185+1x95mm²	Km	87666.67	0.126	11046
490	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x120+1x70mm²	Km	58047.62	0.126	7314
491	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x25+1x16mm²	Km	13066.67	0.63	8232
492	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x25mm²	Km	10861.11	0.252	2737
493	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x10mm²	Km	5037.04	0.378	1904
494	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x6mm²	Km	3246.03	0.504	1636
495	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-4x25mm²	Km	14880.95	0.504	7500
496	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-4x10mm²	Km	6531.75	0.378	2469
497	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-4x6mm²	Km	4148.53	0.882	3659
498	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x4mm²	Km	2362.67	1.125	2658
499	Control Cable Termite Proof Zra-Kyjv22-450/750-	Km	3207.13	0.729	2338

	/10x1.5mm²				
500	Framework Of Bridge For Cable Aluminium Alloy	T	5481.00	4	21924
501	Other -Metal Support-Galvanized Metal Support	Mt	1043.31	3.317341	3461
502	Explosion Proof Electrodeless Lamp	Set	293.60	10	2936
503	Explosion Proof Electrodeless Lamp	Set	293.64	25	7341
504	Explosion Proof Electrodeless Lamp	Set	293.60	10	2936
505	Explosion Proof Electrodeless Floodlights	Set	293.60	5	1468
506	Explosion Proof Electrodeless Floodlights	Set	1174.50	6	7047
507	Explosion Proof Signal Light	Set	391.50	2	783
508	Highly-Efficient Double-Barrelled Fluorescent Lamp	Set	39.16	25	979
509	Square Coffered Light Panel	Set	29.40	10	294
510	Power Cable Termite Proof Zra-Yjv-1kv/5x2.5mm²	Km	2208.89	0.45	994
511	Power Cable Termite Proof Zra-Yjv-1kv/3x2.5mm²	Km	1651.85	1.35	2230
512	Power Cable Termite Proof Zra-Yjv22-1kv/3x2.5mm²	Km	1652.42	0.1755	290
513	Other -Metal Support-Galvanized Metal Support	Mt	1043.20	1.25	1304
514	Earthing Detection Well	-	391.50	2	783
515	Brass &Bronze Stranded Cable 35mm2	10 Meters	62.67	15	940
516	复合 framework Of Bridge For Cable	Mt	2740.47	60	164428
517	Power Cable Termite Proof Zra-Yjv22-8.7/10kv-3x70mm2	Km	39680.83	6	238085
518	Control Cable Termite Proof Zra-Kyjv22-0.5kv/10x2.5mm²	Km	4887.67	3	14663
519	10kvcable Head 10kv,3x70mm2	Set	587.25	4	2349
520	10kvcable Joint 10kv,3x70mm2	Set	587.25	4	2349
521	Yellow Green Lead Wire 35mm2	10 Meters	62.64	100	6264
522	Hot Galvanized Angle Steel 50x50x5	-	10.15	200	2030
523	Fire Alarm Cable 3*2*1.5mm2, Pair Twist, Shield, Flame Retardant,Armour	Km	3826.89	4.5	17221
524	Fire Alarm Cable 2*2*1.5mm2, Pair Twist, Shield, Flame Retardant,Armour	Km	2828.57	0.315	891
525	Loudspeaker Cable	Km	3900.00	0.02	78
526	System Cable	Km	9788.00	0.5	4894
527	Single Mode Fiber Cable （Four Core)	100 M	293.57	7	2055
528	Cable Rvvp-3x2.5mm2	Km	1957.14	0.7	1370
529	Supporting Cable(与 system Matching)	Km	9800.00	0.015	147
530	Fire Alarm Cable3*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	3826.88	16	61230

531	Fire Alarm Cable2*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	2828.33	1.8	5091
532	Loudspeaker Cable	Km	3900.00	0.03	117
533	System Cable	Km	9788.00	0.5	4894
534	Single Mode Fiber Cable （Four Core)	100 M	293.57	7	2055
535	Cablervvp-3x2.5mm2	Km	1957.14	0.7	1370
536	Supporting Cable	Km	9800.00	0.02	196
537	Fire Alarm Cable3*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	3826.93	7.5	28702
538	Fire Alarm Cable2*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	2828.33	1.8	5091
539	Loudspeaker Cable	Km	3900.00	0.03	117
540	System Cable	Km	9788.00	0.5	4894
541	Single Mode Fiber Cable （Four Core)	100 M	293.60	5	1468
542	Cable Rvvp-3x2.5mm2	Km	1957.40	5	9787
543	Supporting Cable(与 system Matching)	Km	9800.00	0.015	147
544	Telecommunication Line Laying-Telephone Cable (Wire)Laying	1000meter	355.53	5.015	1783
545	Fire Alarm Cable3*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	3826.89	4.5	17221
546	Fire Alarm Cable2*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	2828.46	1.3	3677
547	Loudspeaker Cable	Km	3900.00	0.03	117
548	System Cable	Km	9786.67	0.6	5872
549	Single Mode Fiber Cable （Four Core)	100 M	293.57	7	2055
550	Cablervvp-3x2.5mm2	Km	1957.14	0.7	1370
551	Supporting Cable	Km	9800.00	0.02	196
552	Fire Alarm Cable6*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	3826.25	0.8	3061
553	Fire Alarm Cable2*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	2828.18	1.1	3111
554	Loudspeaker Cable	Km	3900.00	0.03	117
555	System Cable	Km	9787.50	0.8	7830
556	Single Mode Fiber Cable （Four Core)	100 M	293.63	8	2349
557	Cable Rvvp-3x2.5mm2	Km	1957.50	0.8	1566
558	Supporting Cable	Km	9800.00	0.015	147
559	Telecommunication Line Laying-Telephone Cable (Wire)Laying	1000meter	355.83	0.815	290
560	Fire Alarm Cable12*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	8653.33	0.3	2596
561	Fire Alarm Cable2*2*1.5mm2,Pair	Km	2828.75	0.8	2263

	Twist,Shield,Flame Retardant,Armour				
562	Loudspeaker Cable	Km	3900.00	0.03	117
563	System Cable	Km	9787.14	0.7	6851
564	Single Mode Fiber Cable （Four Core)	100m	293.67	6	1762
565	Cable（Rvvp-3x2.5mm2）	Km	1958.33	0.6	1175
566	Supporting Cable	Km	9800.00	0.02	196
567	Fire Alarm Cable8*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	8652.14	1.4	12113
568	Fire Alarm Cable2*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	2828.33	1.2	3394
569	Loudspeaker Cable	Km	3900.00	0.03	117
570	System Cable	Km	9787.27	1.1	10766
571	Single Mode Fiber Cable （Four Core)	100 M	293.62	13	3817
572	Cable Rvvp-3x2.5mm2	Km	1957.69	1.3	2545
573	Supporting Cable	Km	9800.00	0.02	196
574	Information Socket	Set	32.67	12	392
575	Twisted Pair,Class 6, Non - Shield	Km	1932.57	0.608	1175
576	Power Supply Cable	Km	1960.00	0.05	98
577	Loudspeaker Cable	Km	1966.67	0.03	59
578	System Cable	Km	9786.67	0.45	4404
579	Temperature Sensing Cable	Km	3520.00	0.1	352
580	Double Twisted Wire2*1.5mm2,Pair Twist,Shield,Flame Retardant	Km	484.00	0.25	121
581	Fire Alarm Cable2*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	2829.00	1	2829
582	Fire Alarm Cable8*2*1.5mm2,Pair Twist,Shield,Flame Retardant	Km	8348.00	0.25	2087
583	Telephone Line 2*0.5	Km	200.00	0.05	10
584	Power Supply Cable	Km	1960.00	0.05	98
585	Special Purpose Composite Cable	Km	9786.67	0.15	1468
586	Cable Rvvp-3x2.5mm2	Km	1957.14	0.35	685
587	Supporting Cable	Km	9800.00	0.03	294
588	Fire Alarm Cable10*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	8980.00	0.1	898
589	Fire Alarm Cable2*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	2828.33	0.6	1697
590	Loudspeaker Cable	Km	3900.00	0.03	117
591	System Cable	Km	9787.50	0.4	3915
592	Cable（Rvvp-3x2.5mm2）	Km	1957.50	0.4	783
593	Supporting Cable	Km	9800.00	0.02	196

594	Telephone Cable(Hyat-10x2x0.5)	Km	978.75	0.8	783
595	Fire Alarm Cable6*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	6322.78	1.8	11381
596	Fire Alarm Cable2*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	2828.75	1.6	4526
597	Loudspeaker Cable	Km	3900.00	0.03	117
598	System Cable	Km	9787.33	1.5	14681
599	Single Mode Fiber Cable （Four Core)	100m	293.65	17	4992
600	Cablervvp-3x2.5mm2	Km	1957.65	1.7	3328
601	Supporting Cable	Km	9800.00	0.02	196
602	Fire Alarm Cable6*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	6322.50	0.4	2529
603	Fire Alarm Cable2*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	2828.75	0.8	2263
604	Loudspeaker Cable	Km	1950.00	0.02	39
605	System Cable	Km	9786.67	0.3	2936
606	Single Mode Fiber Cable （Four Core)	100m	293.56	4.5	1321
607	Cablervvp-3x2.5mm2	Km	1957.78	0.45	881
608	Supporting Cable	Km	9800.00	0.02	196
609	Fire Alarm Cable6*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	6323.33	0.6	3794
610	Fire Alarm Cable3*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	3826.67	1.5	5740
611	Fire Alarm Cable2*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	2829.00	1	2829
612	Loudspeaker Cable	Km	3900.00	0.03	117
613	System Cable	Km	9786.67	0.6	5872
614	Single Mode Fiber Cable （Four Core)	100m	293.67	6	1762
615	Cablervvp-3x2.5mm2	Km	1958.33	0.6	1175
616	Supporting Cable	Km	9800.00	0.02	196
617	Telecommunication Line Laying-Telephone Cable (Wire)Laying	1000meter	354.84	0.62	220
618	Fire Alarm Cable6*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	7986.67	0.6	4792
619	Fire Alarm Cable3*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	3827.00	3	11481
620	Fire Alarm Cable2*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	2829.00	1	2829
621	Loudspeaker Cable	Km	3900.00	0.03	117
622	System Cable	Km	9786.67	0.6	5872
623	Single Mode Fiber Cable （Four Core)	100 M	293.67	6	1762

624	Cable Rvvp-3x2.5mm2	Km	1958.33	0.6	1175
625	Supporting Cable(And System Matching)	Km	9800.00	0.02	196
626	Fire Alarm Cable6*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	6322.86	0.7	4426
627	Fire Alarm Cable2*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	2830.00	0.3	849
628	Loudspeaker Cable	Km	3900.00	0.03	117
629	System Cable	Km	9787.78	0.9	8809
630	Single Mode Fiber Cable （Four Core)	100m	293.64	14	4111
631	Cable（Rvvp-3x2.5mm2）	Km	1957.86	1.4	2741
632	Supporting Cable	Km	9800.00	0.02	196
633	Telecommunication Line Laying-Telephone Cable (Wire)Laying	1000meter	355.63	1.42	505
634	Telephone Cable 10x2x0.6mm Armour	Km	2834.50	6	17007
635	Optical Fiber Cable,Single Mode,12 Cores,Armour	100 M	587.25	60	35235
636	Installation Of Automatic Control Main Materials-Metal Support And Other- Manufacture &Installation Of Metal Support	Mt	707.26	2.34	1655
637	Installation Of Automatic Control Main Materials - Instrumentation Tube - Stainless Steel Tube	10 Meters	210.83	30	6325
638	Air Supply Ball Valve Pn2.0mpa G1/2“-Φ8	-	39.17	30	1175
639	Air Supply Ball Valve Pn2.0mpa G1/2“-Φ12	-	39.20	5	196
640	Shutoff Valve Φ14 300lb	-	313.25	4	1253
641	Pair Twisted Multistrand Flexible Cable 6×2x1.5mm2	Km	7830.00	5.4	42282
642	Pair Twisted Multistrand Flexible Cable 4×2x1.5mm2	Km	5285.56	0.9	4757
643	Pair Twisted Multistrand Flexible Cable 2×2x1.5mm2	Km	2114.13	6.3	13319
644	Pair Twisted Multistrand Flexible Cable 1×2×1.5mm2	Km	1233.21	8.1	9989
645	Pair Twisted Multistrand Flexible Cable 3x2.5mm2	Km	1585.56	0.9	1427
646	Combined Instrument Cable Tray Box(Matching Parts For Installation Of Cable Tray Box Provided)	Mt	5480.96	13.5	73993
647	Foaming Agent	Set	392.00	1	392
648	Explosion Proof Cable Lead-In Device	-	19.57	150	2936
649	Installation Of Automatic Control Main Materials-Metal Support And Other- Manufacture &Installation Of Metal Support	Mt	707.07	3.861	2730
650	Air Supply Ball Valve Pn2.0mpa G1/2“-Φ8	-	39.20	10	392
651	Air Supply Ball Valve Pn2.0mpa G1/2“-Φ12	-	39.15	40	1566

652	Shutoff Valve Φ14	-	313.20	40	12528
653	Pair Twisted Multistrand Flexible Cable 6×2x1.5mm2	Km	7829.94	18	140939
654	Pair Twisted Multistrand Flexible Cable 4×2x1.5mm2	Km	5285.19	5.4	28540
655	Pair Twisted Multistrand Flexible Cable 2×2x1.5mm2	Km	2114.09	22.5	47567
656	Pair Twisted Multistrand Flexible Cable 1×2×1.5mm2	Km	1233.22	27	33297
657	Pair Twisted Multistrand Flexible Cable 3x2.5mm2	Km	1585.56	5.4	8562
658	Combined Instrument Cable Tray Box(Matching Parts For Installation Of Cable Tray Box Provided)	Mt	5480.94	18	98657
659	Foaming Agent	Set	392.00	1	392
660	Explosion Proof Cable Lead-In Device	-	19.58	200	3915
661	Automatic Control Main Material Installation - Instrument Cable,Optical Fiber Cable-Flexible Tube	10-	125.30	20	2506
662	Installation Of Automatic Control Main Materials-Metal Support And Other- Manufacture &Installation Of Metal Support	Mt	707.24	2.391	1691
663	Socket Weldingshutoff Valve	-	78.33	15	1175
664	Air Supply Ball Valve	-	39.16	45	1762
665	Combined Instrument Cable Tray Box(Matching Parts For Installation Of Cable Tray Box Provided)	Mt	5480.93	15	82214
666	Pair Twisted Multistrand Flexible Cable 2×1.5mm2	Km	1233.22	18	22198
667	Pair Twisted Multistrand Flexible Cable 2×2x1.5mm2	Km	2114.07	6.75	14270
668	Pair Twisted Multistrand Flexible Cable 12×2x1.5mm2	Km	10570.00	0.9	9513
669	Pair Twisted Multistrand Flexible Cable 6×2x1.5mm2	Km	7829.93	13.5	105704
670	Pair Twisted Multistrand Flexible Cable 3x2.5mm2	Km	1585.56	1.8	2854
671	Foaming Agent	Set	392.00	1	392
672	Explosion Proof Cable Lead-In Device	-	19.58	200	3915
673	Automatic Control Main Material Installation - Instrument Cable,Optical Fiber Cable-Flexible Tube	10-	125.30	20	2506
674	Installation Of Automatic Control Main Materials-Metal Support And Other- Manufacture &Installation Of Metal Support	Mt	707.21	2.401	1698
675	Shutoff Valve Φ14	-	313.20	20	6264
676	Pair Twisted Multistrand Flexible Cable	Km	2114.07	8.1	17124

	2×2x1.5mm2				
677	Pair Twisted Multistrand Flexible Cable 1×2×1.5mm2	Km	1233.19	7.2	8879
678	Pair Twisted Multistrand Flexible Cable 4×2x1.5mm2	Km	5285.00	1.8	9513
679	Pair Twisted Multistrand Flexible Cable 5×2x1.5mm2	Km	6166.11	1.8	11099
680	Pair Twisted Multistrand Flexible Cable 6×2x1.5mm2	Km	7829.86	7.2	56375
681	Pair Twisted Multistrand Flexible Cable 3x2.5mm2	Km	1585.56	1.8	2854
682	Combined Instrument Cable Tray Box(Matching Parts For Installation Of Cable Tray Box Provided)	Mt	5480.96	13.5	73993
683	Foaming Agent	Set	392.00	1	392
684	Explosion Proof Cable Lead-In Device	-	19.58	130	2545
685	Automatic Control Main Material Installation - Instrument Cable,Optical Fiber Cable-Flexible Tube	10-	125.31	13	1629
686	Installation Of Automatic Control Main Materials-Metal Support And Other- Manufacture &Installation Of Metal Support	Mt	706.95	3.757	2656
687	Pn2.0mpa G1/2 “（F）	-	78.30	60	4698
688	Shutoff Valve Φ14	-	313.20	20	6264
689	Pair Twisted Multistrand Flexible Cable 2×2x1.5mm2	Km	2114.07	10.8	22832
690	Pair Twisted Multistrand Flexible Cable 1×2×1.5mm2	Km	1233.24	10.8	13319
691	Pair Twisted Multistrand Flexible Cable 3x2.5mm2	Km	1585.56	1.8	2854
692	Pair Twisted Multistrand Flexible Cable 4×2x1.5mm2	Km	5285.00	1.8	9513
693	Pair Twisted Multistrand Flexible Cable 5×2x1.5mm2	Km	6166.11	1.8	11099
694	Pair Twisted Multistrand Flexible Cable 6×2x1.5mm2	Km	7829.93	15.3	119798
695	Combined Instrument Cable Tray Box(Matching Parts For Installation Of Cable Tray Box Provided)	Mt	5480.95	20	109619
696	Foaming Agent	Set	392.00	1	392
697	Explosion Proof Cable Lead-In Device	-	19.57	150	2936
698	Automatic Control Main Material Installation - Instrument Cable,Optical Fiber Cable-Flexible Tube	10-	125.27	15	1879
699	Installation Of Automatic Control Main Materials-Metal Support And Other- Manufacture	Mt	707.02	3.048	2155

	&Installation Of Metal Support				
700	Socket Weldingshutoff Valve	-	78.30	100	7830
701	Air Supply Ball Valve	-	39.14	90	3523
702	Combined Instrument Cable Tray Box(Matching Parts For Installation Of Cable Tray Box Provided)	Mt	5480.93	15	82214
703	Pair Twisted Multistrand Flexible Cable 2×1.5mm2	Km	1233.23	31	38230
704	Pair Twisted Multistrand Flexible Cable 2×2x1.5mm2	Km	2114.00	4	8456
705	Pair Twisted Multistrand Flexible Cable 12×2x1.5mm2	Km	10570.00	1	10570
706	Pair Twisted Multistrand Flexible Cable 6×2x1.5mm2	Km	7829.92	25	195748
707	Pair Twisted Multistrand Flexible Cable 3x2.5mm2	Km	1586.00	1	1586
708	Foaming Agent	Set	392.00	1	392
709	Explosion Proof Cable Lead-In Device	-	19.58	250	4894
710	Automatic Control Main Material Installation -Instrument Cable,Optical Fiber Cable-Flexible Tube	10-	125.28	25	3132
711	Installation Of Automatic Control Main Materials-Metal Support And Other- Manufacture &Installation Of Metal Support	Mt	706.97	1.464	1035
712	Socket Weldingshutoff Valve	-	78.30	100	7830
713	Air Supply Ball Valve	-	39.17	30	1175
714	Combined Instrument Cable Tray Box(Matching Parts For Installation Of Cable Tray Box Provided)	Mt	5480.94	18	98657
715	Pair Twisted Multistrand Flexible Cable 2×1.5mm2	Km	1233.18	11	13565
716	Pair Twisted Multistrand Flexible Cable 3×1.5mm2	Km	1410.00	0.5	705
717	Pair Twisted Multistrand Flexible Cable 4x1.5mm2	Km	2114.00	0.5	1057
718	Pair Twisted Multistrand Flexible Cable 3x2.5mm2	Km	1585.54	13	20612
719	Pair Twisted Multistrand Flexible Cable 2×2x1.5mm2	Km	2114.08	13	27483
720	Pair Twisted Multistrand Flexible Cable 12×2x1.5mm2	Km	10570.00	1.2	12684
721	Pair Twisted Multistrand Flexible Cable 6×2x1.5mm2	Km	7830.00	2.5	19575
722	Foaming Agent	Set	392.00	1	392
723	Explosion Proof Cable Lead-In Device	-	19.58	280	5481
724	Automatic Control Main Material Installation -Instrument Cable,Optical Fiber Cable-Flexible Tube	10-	125.29	28	3508
725	Installation Of Automatic Control Main Materials-Metal Support And Other- Manufacture	Mt	706.65	0.692	489

	&Installation Of Metal Support				
726	Socket Weldingshutoff Valve	-	78.30	50	3915
727	Air Supply Ball Valve	-	39.13	15	587
728	Combined Instrument Cable Tray Box(Matching Parts For Installation Of Cable Tray Box Provided)	Mt	5481.00	5	27405
729	Pair Twisted Multistrand Flexible Cable 2×1.5mm2	Km	1233.20	5	6166
730	Pair Twisted Multistrand Flexible Cable 3×1.5mm2	Km	1410.00	0.2	282
731	Pair Twisted Multistrand Flexible Cable 4x1.5mm2	Km	2115.00	0.2	423
732	Pair Twisted Multistrand Flexible Cable 3x2.5mm2	Km	1585.43	3.5	5549
733	Pair Twisted Multistrand Flexible Cable 2×2x1.5mm2	Km	2114.00	3	6342
734	Pair Twisted Multistrand Flexible Cable 12×2x1.5mm2	Km	10570.00	0.5	5285
735	Pair Twisted Multistrand Flexible Cable 6×2x1.5mm2	Km	7830.00	1.2	9396
736	Copper Core Polyethylene Insulation Soft Wire 1x16mm2	Km	4796.00	0.25	1199
737	Copper Core Polyethylene Insulation Polythene Sheath Soft Wire 3x2.5mm2	Km	1230.00	0.1	123
738	Copper Core Polyethylene Insulation Polythene Sheath Pair Twist Shield Soft Wire 2x0.75mm2	Km	480.00	0.15	72
739	Foaming Agent	Set	392.00	1	392
740	Explosion Proof Cable Lead-In Device	-	19.58	160	3132
741	Automatic Control Main Material Installation - Instrument Cable,Optical Fiber Cable-Flexible Tube	10-	125.31	16	2005
742	Installation Of Automatic Control Main Materials-Metal Support And Other- Manufacture &Installation Of Metal Support	Mt	706.49	0.385	272
743	Socket Weldingshutoff Valve	-	78.32	25	1958
744	Air Supply Ball Valve	-	39.17	12	470
745	Combined Instrument Cable Tray Box(Matching Parts For Installation Of Cable Tray Box Provided)	Mt	5480.90	10	54809
746	Pair Twisted Multistrand Flexible Cable 2×1.5mm2	Km	1233.20	5	6166
747	Pair Twisted Multistrand Flexible Cable 6×2x1.5mm2	Km	7830.00	2	15660
748	Pair Twisted Multistrand Flexible Cable 12×2x1.5mm2	Km	10570.00	0.5	5285
749	Pair Twisted Multistrand Flexible Cable 3x2.5mm2	Km	1586.00	1	1586
750	Foaming Agent	Set	392.00	1	392
751	Explosion Proof Cable Lead-In Device	-	19.58	120	2349

752	Automatic Control Main Material Installation - Instrument Cable,Optical Fiber Cable-Flexible Tube	10-	125.25	12	1503
753	Installation Of Automatic Control Main Materials-Metal Support And Other- Manufacture &Installation Of Metal Support	Mt	707.02	1.966	1390
754	Automatic Control Main Material Installation - Instrumentation Tube -Carbon Steel Seamless Pipe	10 Meters	47.96	180	8633
755	Inside Thread Stainless Steel Ball Valve	-	78.30	10	783
756	Air Supply Ball Valve	-	39.20	10	392
757	Shutoff Valve Φ14tsw	-	78.29	65	5089
758	Seamless Stainless Steel Tubeϕ14x2.2	Meter	39.15	500	19575
759	Combined Instrument Cable Tray Box(Matching Parts For Installation Of Cable Tray Box Provided)	Mt	5481.00	8	43848
760	Pair Twisted Multistrand Flexible Cable 2×1.5mm2	Km	1233.17	12	14798
761	Pair Twisted Multistrand Flexible Cable 2×2×1.5mm2	Km	2114.00	3	6342
762	Pair Twisted Multistrand Flexible Cable 3×2.5mm2	Km	1586.00	1	1586
763	Pair Twisted Multistrand Flexible Cable 12×2×1.5mm2	Km	10570.00	1	10570
764	Pair Twist Multistrand Soft Compensating Conductor Kx-2x1.5	Km	1722.67	3	5168
765	Explosion Proof Cable Lead-In Device	-	19.58	100	1958
766	Automatic Control Main Material Installation - Instrument Cable,Optical Fiber Cable-Flexible Tube	10-	125.30	10	1253
767	Installation Of Automatic Control Main Materials-Metal Support And Other- Manufacture &Installation Of Metal Support	Mt	707.43	1.521	1076
768	Socket Weldingshutoff Valve	-	78.30	150	11745
769	Air Supply Ball Valve	-	39.16	25	979
770	Combined Instrument Cable Tray Box(Matching Parts For Installation Of Cable Tray Box Provided)	Mt	5480.90	10	54809
771	Pair Twisted Multistrand Flexible Cable 2×1.5mm2	Km	1233.17	12	14798
772	Pair Twisted Multistrand Flexible Cable 2×2x1.5mm2	Km	2114.00	5	10570
773	Pair Twisted Multistrand Flexible Cable 12×2x1.5mm2	Km	10570.00	0.5	5285
774	Pair Twisted Multistrand Flexible Cable 6×2x1.5mm2	Km	7830.00	3	23490
775	Pair Twisted Multistrand Flexible Cable 3x2.5mm2	Km	1586.00	1	1586

776	Foaming Agent	Set	392.00	1	392
777	Explosion Proof Cable Lead-In Device	-	19.58	100	1958
778	Automatic Control Main Material Installation - Instrument Cable,Optical Fiber Cable-Flexible Tube	10-	125.30	10	1253
779	Installation Of Automatic Control Main Materials-Metal Support And Other- Manufacture &Installation Of Metal Support	Mt	707.09	2.284	1615
780	Pn2.0mpa G1/2“-Φ8	-	39.25	4	157
781	Pn2.0mpa G1/2“-Φ12	-	39.14	28	1096
782	Shutoff Valve Φ14 300lb	-	313.20	10	3132
783	Pair Twisted Multistrand Flexible Cable 6×2x1.5mm2	Km	7829.86	7.2	56375
784	Pair Twisted Multistrand Flexible Cable 5×2x1.5mm2	Km	6166.11	1.8	11099
785	Pair Twisted Multistrand Flexible Cable 4×2x1.5mm2	Km	5285.00	1.8	9513
786	Pair Twisted Multistrand Flexible Cable 2×2x1.5mm2	Km	2114.03	7.2	15221
787	Pair Twisted Multistrand Flexible Cable 1×2×1.5mm2	Km	1233.15	5.4	6659
788	Pair Twisted Multistrand Flexible Cable 3x2.5mm2	Km	1585.56	0.9	1427
789	Combined Instrument Cable Tray Box(Matching Parts For Installation Of Cable Tray Box Provided)	Mt	5480.96	13.5	73993
790	Foaming Agent	Set	392.00	1	392
791	Explosion Proof Cable Lead-In Device	-	19.58	100	1958
792	Installation Of Automatic Control Main Materials-Metal Support And Other- Manufacture &Installation Of Metal Support	Mt	707.16	1.523	1077
793	Socket Weldingshutoff Valve	-	78.30	60	4698
794	Air Supply Ball Valve	-	39.15	40	1566
795	Combined Instrument Cable Tray Box(Matching Parts For Installation Of Cable Tray Box Provided)	Mt	5480.96	13.5	73993
796	Connecting Tube &Tube Valve Parts Stainless Steel Tube	Meter	39.15	300	11745
797	Pair Twisted Multistrand Flexible Cable 2×1.5mm2	Km	1233.23	19.8	24418
798	Pair Twisted Multistrand Flexible Cable 2×2x1.5mm2	Km	2114.03	7.2	15221
799	Pair Twisted Multistrand Flexible Cable 12×2x1.5mm2	Km	10570.00	0.9	9513
800	Pair Twisted Multistrand Flexible Cable 6×2x1.5mm2	Km	7829.93	14.4	112751

801	Pair Twisted Multistrand Flexible Cable 3x2.5mm2	Km	1585.56	4.5	7135
802	Foaming Agent	Set	392.00	1	392
803	Explosion Proof Cable Lead-In Device	-	19.58	200	3915
804	Installation Of Automatic Control Main Materials-Metal Support And Other- Manufacture &Installation Of Metal Support	Mt	707.64	0.301	213
805	Pair Twisted Multistrand Flexible Cable 4×2x1.5mm2	Km	4110.00	0.5	2055
806	Pair Twisted Multistrand Flexible Cable 2×2x1.5mm2	Km	2114.00	0.5	1057
807	Pair Twisted Multistrand Flexible Cable 2×1.5mm2	Km	1233.00	1	1233
808	Pair Twisted Multistrand Flexible Cable 5×2x1.5mm2	Km	4796.00	0.5	2398
809	Explosion Proof Cable Lead-In Device	-	19.57	30	587
810	Combined Instrument Cable Tray Box(Matching Parts For Installation Of Cable Tray Box Provided)	Mt	5481.00	3	16443
811	Foaming Agent	Set	392.00	1	392
812	Socket Weldingshutoff Valve	-	78.31	13	1018
813	Cable Tray Box	Mt	2740.47	58	158947
814	Aluminum Alloys Slot Type Straight Through Framework Of Bridge	Mt	5480.94	180	986570
815	Complex Sectional Material Batch Bin Type Straight Through Framework Of Bridge	Mt	2348.98	44	103355
816	Pair Twisted Multistrand Flexible Cable 8×2×1.5mm2	Km	7928.00	0.5	3964
817	Metal Hosedn150 Pn=1.6mpa L=1.5m	-	440.45	20	8809
818	Metal Hosedn80 Pn=1.6mpa L=1.5m	-	293.60	20	5872
819	Water Meter Lxlc -50a	-	59.00	1	59
820	Valve	-	610.79	160	97726
821	Valve	-	552.81	327	180769
822	Direct Current Type Y Type Filterdn300 Pn=1.6mpa	-	783.00	8	6264
823	Direct Current Type Y Type Filterdn200 Pn=1.6mpa	-	587.33	3	1762
824	Tap	10-	30.00	0.7	21
825	Metal Hosedn150 Pn=1.6mpa L=1.5m	-	440.44	32	14094
826	Metal Hosedn100 Pn=1.6mpa L=1.5m	-	352.33	6	2114
827	Metal Hosedn80 Pn=1.6mpa L=1.5m	-	293.62	42	12332
828	Water Meter Lxlc -50a	-	59.00	1	59
829	Ductile Iron Pipe	10 Meters	594.08	27.2	16159
830	Valve	-	529.82	217	114972

831	Direct Current Type Y Type Filter Dn200	-	880.88	8	7047
832	Direct Current Type Y Type Filter Dn150	-	783.00	2	1566
833	Metal Hose Dn100 L=1.5m Pn=1.6mpa	-	352.35	20	7047
834	Metal Hose Dn80 L=1.5m Pn=1.6mpa	-	293.63	32	9396
835	Water Meter Lxlc-50a	-	58.00	1	58
836	Valve	-	1313.39	44	57789
837	Direct Current Type Y Type Filterdn300 Pn=1.6mpa	-	783.00	3	2349
838	Direct Current Type Y Type Filter Dn250 Pn=1.6mpa	-	685.00	1	685
839	Tap	10-	30.00	0.3	9
840	Metal Hosedn200 Pn=1.6mpa L=1.5m	-	528.50	6	3171
841	Metal Hosedn150 Pn=1.6mpa L=1.5m	-	440.50	2	881
842	Water Meter Lxlc -50a	-	59.00	1	59
843	Valve	-	1000.11	117	117013
844	Direct Current Type Y Type Filter Dn300 Pn=1.6mpa	-	783.00	7	5481
845	Tap	10-	30.00	0.3	9
846	Metal Hosedn150 Pn=1.6mpa L=1.5m	-	391.50	28	10962
847	Water Meter Lxlc -50a	-	59.00	1	59
848	Ductile Iron Pipe Gb/T13295-2008dn100	10 Meters	374.00	1	374
849	Valve	-	71.50	4	286
850	Polyethylene Pipe	10 Meters	60.00	1	60
851	Ductile Iron Pipe Gb/T13295-2008dn200	10 Meters	594.05	8.4	4990
852	Valve	-	109.50	2	219
853	Polyethylene Pipe Dn25	10 Meters	16.00	7	112
854	Polyethylene Pipe Dn20	10 Meters	11.88	3.2	38
855	Plastic Aluminium Stable State Pipe De50×6.9	10 Meters	202.00	1.5	303
856	Plastic Aluminium Stable State Pipe De40×4.5	10 Meters	162.00	2	324
857	Plastic Aluminium Stable State Pipe De25×2.8	10 Meters	100.00	2	200
858	Plastic Aluminium Stable State Pipe De20×2.3	10 Meters	68.67	1.5	103
859	Plastic Pipe De110	10 Meters	199.67	3	599
860	Plastic Pipe De50	10 Meters	60.00	3.5	210
861	Valve	-	109.50	2	219
862	Polyethylene Pipe	10 Meters	59.82	5.6	335
863	Valve	-	322.78	9	2905
864	Valve	Meter	140.40	10	1404
865	Valve	-	223.17	6	1339
866	Valve	Meter	222.46	39	8676

867	Ductile Iron Pipe	10 Meters	594.11	19.7	11704
868	Woven Glass	10m2	195.71	6.3	1233
869	Valve	-	613.68	121	74255
870	Valve	-	255.94	16	4095
871	Rain Valve Block Pn=1.6mpa Dn150	-	3914.95	20	78299
872	Fire-Prevention Facility Installation - Air-Foam Generator Installation -Pc—8	-	391.50	20	7830
873	Solenoglyphic Tooth Interface& Stifle Cover	-	58.75	20	1175
874	Rain Valve Block Pn=1.6mpa Dn150	-	3914.97	32	125279
875	Rain Valve Block Pn=1.6mpa Dn100	-	2936.17	6	17617
876	Fire-Prevention Facility Installation - Air-Foam Generator Installation -Pc—8	-	391.50	32	12528
877	Solenoglyphic Tooth Interface& Stifle Cover	-	58.71	42	2466
878	Rain Valve Block Dn100	Set	2936.20	20	58724
879	Fixed Spray Cooler Spl/Nfcg-3000	Set	16638.63	8	133109
880	Fixed Spray Cooler Spl/Gcg-2000	Set	12723.50	2	25447
881	Air-Foam Generator Pc8	-	155.63	32	4980
882	Solenoglyphic Tooth Interface& Stifle Cover	-	19.56	32	626
883	Portable Type Powder Fire Extinguisher	-	39.15	20	783
884	Small Box For Packing Fire Extinguisher(Packing 2 No)	-	35.20	10	352
885	Tap	10-	18.33	0.6	11
886	Rain Valve Block Pn=1.6mpa Dn200	-	6851.17	6	41107
887	Rain Valve Block Pn=1.6mpa Dn150	-	3915.00	2	7830
888	Rain Valve Block Pn=1.6mpa Dn150	-	3914.96	28	109619
889	Water Meter	-	29.00	1	29
890	Gas Mask	-	29.25	4	117
891	Respirator	-	3.00	4	12
892	Water Meter	-	29.50	2	59
893	Eyebath	10set	11750.00	0.1	1175
894	Sanitary Ware Installation -Tap	10-	29.00	1	29
895	Gas Mask	-	29.25	4	117
896	Respirator	-	3.00	4	12
897	Water Meter	-	29.50	2	59
898	Eyebath	10set	11750.00	0.1	1175
899	Sanitary Ware Installation -Tap	10-	30.00	0.3	9
900	Q11f-10 Pvc Dn50	-	23.00	1	23
901	Q11f-10 Pvc Dn40	-	19.50	2	39
902	Q11f-10 Pvc Dn25	-	13.00	2	26

903	Self-Closing Flushing Valve Dn25	-	58.67	6	352
904	Ordinary Tap	10-	30.00	0.2	6
905	Angle Shutoff Valve Dn15	-	32.25	4	129
906	Inductive Flushing Valve Dn20	-	58.67	3	176
907	Single Stem Single Orifice Tap Dn15	10-	137.50	0.4	55
908	Self-Closing Flushing Valve Squat Type Toilet Bowl	10set	1046.67	0.6	628
909	Inductive Flushing Valve Hanging Type Urinal	10set	3270.00	0.3	981
910	On-Stand Type Washbasin	10set	1242.50	0.4	497
911	Lxlc-100a Dn100	-	98.00	1	98
912	Lxlc-50a Dn50	-	59.00	1	59
913	Eyebath	10set	11745.00	0.2	2349
914	Sanitary Ware Installation -Tap	10-	30.00	0.2	6
915	Fire Hose Spool	Set	1468.00	2	2936
916	Water Meter	-	29.00	1	29
917	Fire-Prevention Facility Installation - Air-Foam Generator Installation -Pc—8	-	391.50	10	3915
918	Solenoglyphic Tooth Interface& Stifle Cover	-	58.70	10	587
919	Rain Valve Block Dn150	Set	3914.92	12	46979
920	Fixed Spray Cooler	Set	18302.33	3	54907
921	Air-Foam Generator Pc8	-	155.63	16	2490
922	Solenoglyphic Tooth Interface& Stifle Cover	-	19.56	16	313
923	Portable Type Powder Fire Extinguisher	Set	39.13	16	626
924	Small Box For Packing Fire Extinguisher(Packing 2 No)	-	35.25	8	282
925	Tap	10-	18.00	0.5	9
926	Gas Mask	-	29.40	10	294
927	Respirator	-	2.90	10	29
928	Water Meterlxlc-100a Dn100	-	98.00	2	196
929	Water Meterlxlc-50a Dn50	-	59.00	1	59
930	Viewing Mirror Sh3406 Pn2.0 Rf	-	392.00	1	392
931	Eyebath	10set	11745.00	0.2	2349
932	Sanitary Ware Installation -Tap	10-	30.00	0.3	9
933	Inside Thread Ball Valve Q11f-10 Pvc Dn50	-	23.00	1	23
934	Inside Thread Ball Valve Q11f-10 Pvc Dn40	-	20.00	1	20
935	Inside Thread Ball Valve Q11f-10 Pvc Dn25	-	13.00	1	13
936	Self-Closing Flushing Valve Dn25	-	58.75	4	235
937	Ordinary Tap	10-	30.00	0.2	6
938	Angle Shutoff Valve Dn15	-	32.25	8	258
939	Inductive Flushing Valve Dn20	-	58.50	2	117

940	Single Stem Single Orifice Tap Dn15	10-	137.50	0.4	55
941	Self-Closing Flushing Valve Squat Type Toilet Bowl	10set	1047.50	0.4	419
942	Inductive Flushing Valve Hanging Type Urinal	10set	3270.00	0.2	654
943	On-Stand Type Washbasin	10set	1242.50	0.4	497
944	Electric Water Heater 50l	-	587.25	4	2349
945	Steel Structure	Mt	1022.57	97.1	99292
946	High Strength Steel Plate	Mt	1565.98	4440	6952969
947	Carbon Steel	Mt	1096.19	6960	7629475
948	Imported Welding Material	Mt	4091.71	90	368254
949	Thermal Treatment	Mt	1565.98	300	469795
950	Primary Seal	Set	39149.67	6	234898
951	Secondary Seal	Set	48937.00	6	293622
952	Imported Drainage System 8”	Set	53242.07	14	745389
953	Imported Drainage System 8”	Set	21140.80	5	105704
954	Butterfly Float Type Check Valve Dn200	-	2251.11	18	40520
955	Respiration Valve Dn100	-	2936.22	72	211408
956	Emergency Drainage Unit Dn200	-	2251.10	48	108053
957	Paraffin Cutting Mechanism	Set	39149.67	6	234898
958	Sacrificial Anode Cathodic Protection System	Set	78299.17	6	469795
959	Tank Button Edge Waterproof Facilities	Set	14751.50	6	88509
960	Valve	-	1893.69	78	147708
961	Large Pull Rod Horizontal Ripple Compensation Dn600 Pn2.0mpa	-	11744.83	6	70469
962	Large Pull Rod Horizontal Ripple Compensation Dn400 Pn2.0mpa	-	8417.17	6	50503
963	Cathodic Protector (Includeing Explosion Proof Permanent Electricity)	Set	78299.17	6	469795
964	Power Cablezr-Yjv22-0.6/1kv-1x25mm²	Km	3766.00	1.5	5649
965	Power Cablezra-Yjv22-0.6/1kv-4x2.5mm²	Km	1765.00	1.6	2824
966	Power Cablezr-Yjv22-0.6/1kv-1x16mm²	Km	2487.50	0.8	1990
967	Power Cablezra-Yjv22-0.6/1kv-4x2.5mm²	Km	3079.09	1.1	3387
968	Power Cablezra-Yjv22-0.6/1kv-3x4mm²	Km	2237.50	0.4	895
969	Power Cablezr-Yjv22-0.6/1kv-3x16mm²	Km	7767.00	1	7767
970	Power Cablezr-Yjv22-0.6/1kv-3x95+1x50	Km	46603.33	0.6	27962
971	Power Cablezr-Yjv22-0.6/1kv-3x35+1x25	Km	19227.27	1.1	21150
972	Power Cablezr-Yjv22-0.6/1kv-3x25+1x6	Km	11350.00	0.4	4540
973	Power Cablezr-Yjv22-0.6/1kv-4x4mm²	Km	2992.41	8.3	24837
974	Framework Of Bridge For Cable（Complex Fireproof)	Mt	2929.17	15.6	45695
975	Other -Metal Support-Galvanized Metal Support	Mt	1150.49	4.1	4717

976	Explosion-Separated Type Halogen Lamp	Set	391.50	60	23490
977	Power Cablezr-Yjv-1kv/3x2.5mm2	Km	1671.49	7.4	12369
978	Hot-Galvanized Section Steel	Mt	1082.96	7.1	7689
979	Single Mode Fiber Cable （Four Core)	100 M	293.78	43.1	12662
980	Flexible Tube	10-	234.26	18.8	4404
981	Manufacture &Installation Of Metal Support	Mt	895.71	0.7	627
982	Welded Steel Tube	10 Meters	69.68	776.3	54094
983	Instrument Cable1×2×1.5mm2	Km	1216.84	1.9	2312
984	Instrument Cable2×2×1.5mm2	Km	2114.07	13.5	28540
985	Instrument Cable5×2×1.5mm2	Km	7011.02	9.8	68708
986	Instrument Cable1×3×1.5mm2	Km	1378.70	2.3	3171
987	Flexible Tube	10-	234.54	16.3	3823
988	Water Supply& Drainage Carbon Steel Pipeline	Mt	1375.16	67.5	92823
989	Cast Iron Pipeline	10 Meters	717.44	311.3	223340
990	Valve	-	524.75	303	158999
991	Fixed Spray Cooler	-	97874.00	6	587244
992	Rain Valve Block Pn=1.6mpa Dn200	-	5872.46	24	140939
993	Fire-Prevention Facility Installation - Air-Foam Generator Installation -Pc—8	-	391.50	72	28188
994	Solenoglyphic Tooth Interface& Stifle Cover	-	58.73	120	7047
995	Fire Hose	Set	2446.83	24	58724
996	Foam Gun Pq8	-	880.88	24	21141
997	Dn200 Pn=1.6mpa	-	704.71	24	16913
998	Dn150 Pn=1.6mpa	-	587.25	12	7047
999	Dn100 Pn=1.6mpa	-	469.83	12	5638
1000	Foam Hose Dn150 Pn=1.6mpa	-	62639.33	12	751672
1001	Foam Dispenser Dn150 Pn=1.6mpa	-	97.92	12	1175
1002	Two Water Separator	-	58.71	24	1409
1003	Pipe Support	Mt	1174.48	50	58724
1004	Safety Valvehtxy-01c 25/25	-	587.29	7	4111
1005	Outer Floating Roof Tank 30000m3	Mt	1155.30	4837.48 8	5588773
1006	30000m3 Tank Net Shell	Set	93959.00	8	751672
1007	Loophole Dn500	Set	137.04	24	3289
1008	Vent 700×400	Set	166.38	112	18635
1009	Vent Dn300	Set	137.00	8	1096
1010	All-Weather Explosion Proof Fire Retardant Respiration Valve Dn100	Set	587.25	64	37584
1011	Clean-Out Opening 500×700	Set	606.81	16	9709

1012	Gaging Hatch Dn150	Set	107.63	8	861
1013	Sealing Device	Meter	156.60	1055.04	165218
1014	Power Cablezr-Yjv22-1kv/3×95+1×50mm2	Km	38758.14	0.43	16666
1015	Power Cablezr-Yjv22-1kv/3×16+1×10mm2	Km	6303.14	2.23	14056
1016	Power Cablezr-Yjv22-1kv/4×2.5mm2	Km	2290.65	0.984	2254
1017	Explosion Proof Spot Light	Set	156.63	16	2506
1018	Power Cablezr-Yjv22-1kv/4×4mm2	Km	2623.33	0.6	1574
1019	Galvanized Angle Steel	Mt	940.96	0.271	255
1020	Galvanized Flat Steel	Mt	939.76	1.245	1170
1021	Telecommunication Cable	Km	176.21	2.9	511
1022	Optical Fiber Interchange Box	Set	52.88	8	423
1023	Connecting Optical Fiber Cable	Km	1761.90	2.52	4440
1024	Fireproof Corrosion Protection Slot Box (Composite Material)	Meter	58.72	960	56375
1025	Galvanized Steel Pipe	Mt	951.19	0.717	682
1026	Explosion Proof Flexible Tube 20/20	-	23.50	36	846
1027	Hot Dip Galvanized Flat Steel	Mt	936.51	0.063	59
1028	Manufacture &Installation Of Metal Support	100 kg	86.52	19.556	1692
1029	Carbon Steel Pipeline	10 Meters	34.00	4	136
1030	Electric Protection Tube	100 M	904.55	49	44323
1031	Instrument Valve Pn5.0mpa, Dn20rf	-	58.73	62	3641
1032	Instrument Valve Pn5.0mpa, Dn80rf	-	303.44	9	2731
1033	Cable 1×2×1.5mm2	Km	900.50	4	3602
1034	Cable 2×2×1.5mm2	Km	1350.67	21	28364
1035	Cable 5×2×1.5mm2	Km	3376.67	18	60780
1036	Cable 1×2×2.5mm2	Km	1575.67	3	4727
1037	Slot Type Cable Bridge Framework	Mt	2544.70	16.275	41415
1038	Explosion Proof Cable Lead-In Device M20×1.5(Outer)-G3/4"(Inner)	Set	19.56	9	176
1039	Explosion Proof Cable Lead-In Device M20×1.5(Outer)-G1"(Inner)	Set	19.57	58	1135
1040	Explosion Proof Cable Lead-In Device 1/2"Npt(Outer)-G3/4"(Inner)	Set	19.56	18	352
1041	Explosion Proof Cable Lead-In Device 3/4"Npt(Outer)-G3/4"(Inner)	Set	19.60	10	196
1042	Explosion Proof Cable Lead-In Device 1"Npt(Outer)-G1"(Inner)	Set	19.58	100	1958
1043	Explosion Proof Cable Lead-In Device 1-1/2"Npt(Outer)-G1-1/2"(Inner)	Set	19.58	50	979
1044	Explosion Proof Cable Lead-In Device	Set	19.55	11	215

	G3/4"Npt(Outer)-G3/4"(Inner)				
1045	Valve	-	4352.00	122	530944
1046	Ripple Compensation Carbon Steeldn600	-	9591.63	8	76733
1047	Ripple Compensation Carbon Steeldn300	-	4404.38	8	35235
1048	Filter Pn2.0 Dn100	Mt	5872.50	3.2	18792
1049	Insulating Joint Dn600	-	3840.63	8	30725
1050	Insulating Joint Dn250	-	1761.75	8	14094
1051	Ribbon Magnesium Anode	Meter	3.33	19320	64291
1052	Slider Support Dn600	-	221.19	268	59280
1053	Sliding Pipe Bracketdn700	-	254.47	145	36898
1054	Fixed Pipe Bracket Dn700	-	195.75	4	783
1055	Fixed Pipe Bracket Dn600	-	156.50	4	626
1056	Water Supply &Drainage Pipeline	Mt	2562.66	118.42	303470
1057	Valve	-	1094.32	122	133507
1058	Storage Tank Antiknock Metal Hose16kzjr150a-1300	-	1174.50	32	37584
1059	Storage Tank Antiknock Metal Hose16kzjr100a-1200	-	724.25	24	17382
1060	Pipe Support	Mt	1174.48	31.9	37466
1061	Safety Valvehtxy-01c 25/25	-	587.33	3	1762
1062	Outer Floating Roof Tank 30000m3	Mt	1155.30	3628.116	4191580
1063	30000m3tank Net Shell	Set	93959.00	6	563754
1064	Loophole Dn500	Set	137.00	18	2466
1065	Vent 700×400	Set	166.38	84	13976
1066	Vent Dn300	Set	137.00	6	822
1067	All-Weather Explosion Proof Fire Retardant Respiration Valve Dn100	Set	587.25	48	28188
1068	Clean-Out Opening 500×700	Set	606.83	12	7282
1069	Gaging Hatch Dn150	Set	107.67	6	646
1070	Sealing Device	Meter	156.60	791.28	123913
1071	Power Cablezr-Yjv22-1kv/3×95+1×50mm2	Km	38755.81	0.172	6666
1072	Power Cablezr-Yjv22-1kv/3×16+1×10mm2	Km	6302.78	0.36	2269
1073	Power Cablezr-Yjv22-1kv/4×2.5mm2	Km	2290.09	0.424	971
1074	Explosion Proof Spot Light	Set	156.63	16	2506
1075	Power Cablezr-Yjv22-1kv/4×4mm2	Km	2622.50	0.4	1049
1076	Telecommunication Cable	Km	176.09	1.38	243
1077	Optical Fiber Interchange Box	Set	52.83	6	317
1078	Connecting Optical Fiber Cable	Km	1761.90	1.89	3330
1079	Fireproof Corrosion Protection Slot Box	Meter	58.73	600	35235

	(Composite Material)				
1080	Explosion Proof Flexible Tube 20/20	-	23.50	26	611
1081	Manufacture &Installation Of Metal Support	Kintal	86.54	12.179	1054
1082	Electric Protection Tube	100 M	904.57	28	25328
1083	Instrument Valve Pn5.0mpa, Dn20rf	-	58.72	46	2701
1084	Instrument Valve Pn5.0mpa, Dn80rf	-	303.43	7	2124
1085	Cable Zr-Ia-Djfp2vrp2 1×2×1.5mm2	Km	900.33	3	2701
1086	Cable Zr-Ia-Djfp2vrp2 2×2×1.5mm2	Km	1350.69	14.5	19585
1087	Cable Zr-Djfp2vrp25×2×1.5mm2	Km	3376.63	8	27013
1088	Cable Zr-Kfvp1×2×2.5mm2	Km	1576.00	2	3152
1089	Slot Type Cable Bridge Framework	Mt	2544.76	9.775	24875
1090	Explosion Proof Cable Lead-In Device M20×1.5(Outer)-G3/4"(Inner)	Set	19.57	7	137
1091	Explosion Proof Cable Lead-In Device M20×1.5(Outer)-G1"(Inner)	Set	19.57	44	861
1092	Explosion Proof Cable Lead-In Device 1/2"Npt(Outer)-G3/4"(Inner)	Set	19.57	7	137
1093	Explosion Proof Cable Lead-In Device 3/4"Npt(Outer)-G3/4"(Inner)	Set	19.57	14	274
1094	Explosion Proof Cable Lead-In Device 1"Npt(Outer)-G1"(Inner)	Set	19.58	26	509
1095	Explosion Proof Cable Lead-In Device 1-1/2"Npt(Outer)-G1-1/2"(Inner)	Set	19.62	13	255
1096	Explosion Proof Cable Lead-In Device G3/4"Npt(Outer)-G3/4"(Inner)	Set	19.55	11	215
1097	Valve	-	4553.87	87	396187
1098	Filter Pn2.0 Dn100	Mt	5872.50	2.4	14094
1099	Insulating Joint Dn600	-	3840.50	6	23043
1100	Insulating Joint Dn300	-	1761.67	6	10570
1101	Ribbon Magnesium Anode	Meter	3.33	14500	48252
1102	Sliding Pipe Bracketdn600	-	221.19	110	24331
1103	Sliding Pipe Bracketdn500	-	184.00	16	2944
1104	Valve	-	1067.46	114	121690
1105	Storage Tank Antiknock Metal Hose16kzjr150a-1300	-	1174.50	24	28188
1106	Storage Tank Antiknock Metal Hose16kzjr100a-1200	-	724.28	18	13037
1107	Pipe Support	Mt	1174.51	25.3	29715
1108	Safety Valvehtxy-01c 25/25	-	587.17	6	3523
1109	Outer Floating Roof Tank 50000m3	Mt	1164.70	4338.556	5053119

1110	55000m3tank Net Shell	Set	254472.50	4	1017890
1111	Loophole Dn500	Set	137.00	16	2192
1112	Vent 700×400	Set	166.39	72	11980
1113	Vent Dn300	Set	137.00	12	1644
1114	All-Weather Explosion Proof Fire Retardant Respiration Valve Dn100	Set	587.25	48	28188
1115	Clean-Out Opening 500×700	Set	606.88	8	4855
1116	Gaging Hatch Dn150	Set	107.75	4	431
1117	Sealing Device	Meter	156.60	715.92	112112
1118	Power Cablezr-Yjv22-1kv/3×95+1×50mm2	Km	38757.45	0.47	18216
1119	Power Cablezr-Yjv22-1kv/3×16+1×10mm2	Km	6303.05	1.31	8257
1120	Power Cablezr-Yjv22-1kv/4×2.5mm2	Km	2290.23	0.665	1523
1121	Explosion Proof Spot Light	Set	978.75	16	15660
1122	Power Cablezr-Yjv22-1kv/4×4mm2	Km	2623.33	0.6	1574
1123	Telecommunication Cable	Km	176.33	2.83	499
1124	Optical Fiber Interchange Box	Set	52.75	4	211
1125	Connecting Optical Fiber Cable	Km	1761.73	1.62	2854
1126	Fireproof Corrosion Protection Slot Box (Composite Material)	Meter	58.73	390	22903
1127	Explosion Proof Flexible Tube 20/20	-	23.50	28	658
1128	Manufacture &Installation Of Metal Support	100 Kg	86.50	10.486	907
1129	Electric Protection Tube	100 M	904.55	25.5	23066
1130	Instrument Valve Pn5.0mpa, Dn20rf	-	58.71	35	2055
1131	Instrument Valve Pn5.0mpa, Dn80rf	-	303.40	5	1517
1132	Cable Zr-Ia-Djfp2vrp21×2×1.5mm2	Km	900.50	2	1801
1133	Cable Zr-Ia-Djfp2vrp22×2×1.5mm2	Km	1350.67	13.5	18234
1134	Cable Zr-Djfp2vrp25×2×1.5mm2	Km	3376.61	11.5	38831
1135	Cable Zr-Kfvp1×2×2.5mm2	Km	1576.00	2	3152
1136	Explosion Proof Cable Lead-In Device M20×1.5(Outer)-G3/4"(Inner)	Set	19.60	5	98
1137	Explosion Proof Cable Lead-In Device M20×1.5(Outer)-G1"(Inner)	Set	19.57	30	587
1138	Explosion Proof Cable Lead-In Device 1/2"Npt(Outer)-G3/4"(Inner)	Set	19.60	5	98
1139	Explosion Proof Cable Lead-In Device 3/4"Npt(Outer)-G3/4"(Inner)	Set	19.56	9	176
1140	Explosion Proof Cable Lead-In Device 1"Npt(Outer)-G1"(Inner)	Set	19.57	30	587
1141	Explosion Proof Cable Lead-In Device 1-1/2"Npt(Outer)-G1-1/2"(Inner)	Set	19.60	15	294

1142	Explosion Proof Cable Lead-In Device G3/4"Npt(Outer)-G3/4"(Inner)	Set	19.55	11	215
1143	Valve	-	3877.38	71	275294
1144	Filter Pn2.0 Dn100	Mt	5872.50	1.6	9396
1145	Insulating Joint Dn600	-	3840.50	4	15362
1146	Insulating Joint Dn250	-	1761.75	4	7047
1147	Ribbon Magnesium Anode	Meter	3.33	18000	59899
1148	Sliding Pipe Bracketdn600	-	221.25	4	885
1149	Sliding Pipe Bracketdn500	-	184.00	4	736
1150	Sliding Pipe Bracketdn400	-	150.67	3	452
1151	Sliding Pipe Bracketdn300	-	99.67	3	299
1152	Perchloroethylene Primer Mid-Finishing Each 2 Coats	10m2	36.40	30	1092
1153	Valve	-	1122.10	108	121187
1154	Storage Tank Antiknock Metal Hose16kzjr200a-1500	-	1566.00	16	25056
1155	Storage Tank Antiknock Metal Hose16kzjr150a-1300	-	1174.50	16	18792
TOTAL					105206153
13) Water Supply and Sewerage Works					
1	Wastewater Lift Pump Station (I)Electrical	Set	11924.00	1	11924
2	Wastewater Lift Pump Station (Ii)Electrical	Set	11924.00	1	11924
3	Wastewater Lift Pump Station (Iii)Electrical	Set	11924.00	1	11924
4	Tube	Mt	347.83	6	2087
5	Valve	-	1289.50	2	2579
6	Tube	Mt	347.83	6	2087
7	Valve	-	1289.50	2	2579
8	Tube	Mt	347.83	6	2087
9	Valve	-	1289.50	2	2579
10	Foam Station (I)Electrical	Set	7113.00	1	7113
11	Foam Station (Ii)Electrical	Set	7113.00	1	7113
12	Foam Station (Iii)Electrical	Set	7113.00	1	7113
13	Material &Installation	Set	53090.00	1	53090
14	Outdoor Low Pressure Carbon Steel Pipeline	Mt	347.80	5	1739
15	Outdoor Cast Iron Drainage Pipeline Installation Dn200	10 Meters	297.00	3	891
16	Valve	-	344.33	15	5165
17	Outdoor Low Pressure Carbon Steel Pipeline	Mt	347.80	5	1739
18	Valve	-	344.33	15	5165
19	Outdoor Low Pressure Carbon Steel Pipeline	Mt	347.80	5	1739

20	Outdoor Cast Iron Drainage Pipeline Installation Dn200	10 Meters	297.00	3	891
21	Valve	-	344.33	15	5165
22	Outdoor Low Pressure Carbon Steel Pipeline Installation	Mt	347.80	5	1739
23	Outdoor Cast Iron Drainage Pipeline Installation Dn200	10 Meters	297.00	3	891
24	Valve		344.33	15	5165
25	Steel Structure	Mt	1359.75	521.5	709112
26	Steel Structure	Mt	1359.74	27	36713
27	Steel Structure	Mt	1359.75	16	21756
28	Tk-01a~Bwastewater Regulation Oil Removal Tank	-	1128.50	2	2257
29	Edge Waterproof Facility	Set	4138.50	2	8277
30	Wastewater Regulation Oil Removal Tank Corrosion Protection Inner Corrosion Protection	M2	16.74	4100	68615
31	Wastewater Regulation Oil Removal Tank Corrosion Protection Outer Corrosion Protection	M2	14.64	4902	71782
32	Tk-31a~Bwastewater Regulation Oil Removal Tank	-	1140.50	2	2281
33	Edge Waterproof Facility	Set	3350.00	2	6700
34	Wastewater Regulation Oil Removal Tank Corrosion Protection Inner Corrosion Protection	M2	16.74	3160	52884
35	Wastewater Regulation Oil Removal Tank Corrosion Protection Outer Corrosion Protection	M2	14.64	3362	49231
36	Tk-02a~C Dirty Oil Water Knockout Tank	-	1176.67	3	3530
37	Equipment Insulation Rock Wool Board Δ=60mm	M3	81.80	30.6	2503
38	Light-Duty Corrugated Sheet	10m2	190.36	75	14277
39	Non -Water Hammer Heater6m2	M2	79.72	18	1435
40	Edge Waterproof Facility	Set	1261.33	3	3784
41	Dirty Oil Water Knockout Tank Corrosion Protection,Inner Corrosion Protection	M2	16.74	1170	19580
42	Dirty Oil Water Knockout Tank Corrosion Protection Outer Corrosion Protection	M2	14.64	1062	15551
43	Steel Structure	Mt	1359.75	16	21756
44	Equipment Insulation Rock Wool Board Δ=60mm	M3	81.81	26	2127

45	Light-Duty Corrugated Sheet	10m2	190.37	68	12945
46	Oil Sludge Scum/ Sludge Thickening Tank Corrosion Protection Inner Corrosion Protection	M2	16.74	608	10175
47	05201-Tk-06residual Liquid Tank	-	1171.00	1	1171
48	Equipment Insulation Rock Wool Board Δ=60mm	M3	81.82	17	1391
49	Light-Duty Corrugated Sheet	10m2	190.36	20.65	3931
50	Non -Water Hammer Heater	M2	79.70	10	797
51	Edge Waterproof Facility	Set	1616.00	1	1616
52	Residual Liquid Tank Corrosion Protection Inner Corrosion Protection	M2	16.74	240	4017
53	Residual Liquid Tank Corrosion Protection Outer Corrosion Protection	M2	14.64	267.5	3917
54	Tk-32accident Water Conditioning Regulating Tank	-	1129.00	1	1129
55	Edge Waterproof Facility	Set	4138.00	1	4138
56	Accident Water Conditioning Regulating Tank Corrosion Protection Inner Corrosion Protection	M2	16.74	2050	34308
57	Accident Water Conditioning Regulating Tank Corrosion Protection Outer Corrosion Protection	M2	14.64	2451	35891
58	Steel Structure	Mt	1360.00	2	2720
59	Feed Bin Corrosion Protection Inner Corrosion Protection	M2	16.74	42	703
60	Steel Structure	Mt	1360.00	2	2720
61	Steel Structure	Mt	1359.75	4	5439
62	Organic Fireproof Plugging Material	T	4183.80	5	20919
63	Framework Of Bridge For Cable600x150mm	Mt	5857.40	10	58574
64	Other -Metal Support- Manufacture &Installation Of Galvanized Metal Support	Mt	1114.94	16.73	18653
65	Framework Of Bridge For Cable600x150mm （Aluminum Alloy ）	Mt	5857.40	30	175722
66	Hanging Type Cabinet Switch	-	104.60	5	523
67	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x70mm2	Km	30812.16	4.275	131722
68	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x6mm2	Km	3468.45	7.8375	27184
69	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x4mm2	Km	2524.51	10.545	26621
70	Power Cable Termite Proof Zra-Yjv22-	Km	16195.02	5.225	84619

	0.6/1kv-3x35mm2				
71	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x25mm2	Km	12086.32	1.425	17223
72	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x240+1x120mm2	Km	120534.74	0.2375	28627
73	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x150+1x70mm2	Km	74816.14	1.425	106613
74	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x16mm2	Km	8045.01	1.3775	11082
75	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-4x16mm2	Km	10497.68	1.1875	12466
76	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x150mm2	Km	64844.63	2.375	154006
77	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-4x25mm2	Km	15902.92	0.855	13597
78	Power Cable Termite Proof Zra-Yjv-0.6/1kv/4x16mm2	Km	9982.46	0.171	1707
79	Power Cable Termite Proof Zra-Yjv-0.6/1kv/4x4mm2	Km	2830.83	0.266	753
80	Power Cable Termite Proof Zra-Yjv-0.6/1kv/3x120+1x70mm2	Km	60640.35	0.114	6913
81	Power Cable Termite Proof Zra-Yjv-0.6/1kv/3x70+1x35mm2	Km	34947.37	0.114	3984
82	Power Cable Termite Proof Zra-Yjv-0.6/1kv/3x50+1x35mm2	Km	32252.63	0.0475	1532
83	Power Cable Termite Proof Zra-Yjv-0.6/1kv/3x35+1x25mm2	Km	24938.60	0.114	2843
84	Power Cable Termite Proof Zra-Yjv-0.6/1kv/3x25+1x16mm2	Km	13961.72	0.209	2918
85	Power Cable Termite Proof Zra-Yjv-0.6/1kv/3x2.5mm2	Km	1470.18	0.285	419
86	Control Cable Termite Proof Zra-Kyjv22-450/750v/10x2.5mm2	Km	5223.57	13.11	68481
87	Control Cable Termite Proof Zra-Kyjv22-450/750v/10x1.5mm2	Km	3426.77	19.95	68364
88	Control Cable Termite Proof Zra-Kyjv-450/750v/14x2.5mm2	Km	6336.84	0.0475	301
89	Control Cable Termite Proof Zra-Kyjv-450/750v/10x2.5mm2	Km	4605.79	1.9	8751
90	Control Cable Termite Proof Zra-Kyjv-450/750v/7x1.5mm2	Km	2027.63	0.76	1541
91	Control Cable Termite Proof Zra-Kyjv-450/750v/5x2.5mm2	Km	2357.89	0.0475	112

92	Control Cable Termite Proof Zra-Kyjv-450/750v/5x1.5mm2	Km	1494.21	1.9	2839
93	Computer Cable Zra-Djypv22-1-1x2x1.5mm2	Km	1318.00	0.5	659
94	Control Cable Laying-Within 4 Core	1000meter	34.00	0.5	17
95	Control Cablezra-Djyjpvp-0.5kv-16x2x2.5mm2	Km	15376.25	0.8	12301
96	Shielded Double Twisted Wirezra-Rvvp-2x0.75mm2	Km	1186.00	0.5	593
97	Other -Metal Support-Manufacture &Installation Of Galvanized Metal Support	Mt	1114.82	2.6085	2908
98	Tri - Tube Fluorescent Lamp	Set	52.29	35	1830
99	Double-Barrelled Fluorescent Lamp	Set	41.85	20	837
100	Monotube Fluorescent Lamp	Set	31.40	20	628
101	Lighting - Non-Explosion-Proof Lighting - General Lighting	10set	226.80	7.5	1701
102	Waterproof Dustproof Bent Lamp	Set	313.80	10	3138
103	Waterproof Dustproof Coffered Light Panel	Set	251.04	25	6276
104	Lighting - Non - Explosion-Proof Light - Waterproof Dustproof （Corrosion Protection ）Lighting	10set	509.71	3.5	1784
105	Shallow Flat Circular Coffered Light Panel	Set	41.83	6	251
106	Lighting - Non-Explosion-Proof Lighting - General Lighting	10set	226.67	0.6	136
107	Waterproof Dustproof Electrodeless Lamp Ac220v 1x50w With Upright Pole	Set	271.95	130	35354
108	Waterproof Dustproof Electrodeless Lamp Ac220v 1x50w With Bent Pole	Set	271.94	35	9518
109	Waterproof Dustproof Electrodeless Lamp Ac220v 1x50w With Suspension Rod	Set	271.95	20	5439
110	Waterproof Dustproof Electrodeless Lamp Ac220v 250w With Suspension Rod	Set	272.00	10	2720
111	Waterproof Dustproof Double-Tube Energy Saving Fluorescent Lamp	Set	188.30	10	1883
112	Lighting - Non - Explosion-Proof Light - Waterproof Dustproof （Corrosion Protection ）Lighting	10set	509.80	20.5	10451
113	Explosion Proof Electrodeless Lamp Ac220v 1x50w With Upright Pole	Set	313.79	110	34517
114	Explosion Proof Electrodeless Lamp Ac220v 1x50w With Suspension Rod	Set	313.80	20	6276
115	Explosion Proof Electrodeless Lamp	Set	313.80	15	4707

	Ac220v 250w With Suspension Rod				
116	Explosion Proof Floodlit Electrodeless Lamp	Set	313.80	15	4707
117	Lighting -Explosion-Proof Lighting-Unit Zone	10set	693.25	16	11092
118	Waterproof Dustproof Floodlit Electrodeless Lamp	Set	313.80	15	4707
119	Lighting - Non - Explosion-Proof Light - Waterproof Dustproof （Corrosion Protection ）Lighting	10set	510.00	1.5	765
120	Cable Zr-Kyjv-450/750v/3x2.5mm2	Km	1392.00	1	1392
121	Cable Zr-Kyjv22-450/750v/3x2.5mm2	Km	1767.00	3	5301
122	Cable Zr-Kyjv22-450/750v/5x2.5mm2	Km	2684.00	0.5	1342
123	Hot Galvanized Angle Steel 50x50x5	-	1045.97	60	62758
124	Hot-Galvanized Flat Steel 50x6	10 Meters	1045.97	400	418386
125	Hot-Galvanized Flat Steel 40x4	10 Meters	1045.96	300	313789
126	Brass &Bronze Stranded Cable 35mm2	10 Meters	83.67	30	2510
127	High-Voltage Pothead 3m 10kv,3x70mm2	-	522.98	42	21965
128	Complex Fireproof Plate	M2	1255.17	35	43931
129	Fireproof Plugging Material	T	4184.00	2	8368
130	Power Cable （Termite Proof） Zra-Yjv22-8.7/10kv-3x70mm2	Km	42405.88	0.17	7209
131	Power Cable （Termite Proof） Zra-Yjv22-0.6/1kv-4x4mm2	Km	3175.00	0.32	1016
132	Power Cable （Termite Proof） Zra-Yjv22-0.6/1kv-4x16mm2	Km	10497.14	0.35	3674
133	Power Cable （Termite Proof） Zra-Yjv22-0.6/1kv-5x50+1x25mm2	Km	40450.00	0.06	2427
134	Power Cable （Termite Proof） Zra-Yjv22-0.6/1kv-2x6mm2	Km	2521.74	0.23	580
135	Power Cable （Termite Proof） Zra-Yjv22-0.6/1kv-2x4mm2	Km	1863.64	0.22	410
136	Control Cable(Termite Proof)Zra-Kyjv22-0.45/0.75kv-5x2.5mm2	Km	2817.37	1.9	5353
137	Control Cable(Termite Proof)Zra-Kyjv22-0.45/0.75kv-7x2.5mm2	Km	3715.00	1.8	6687
138	Control Cable(Termite Proof)Zra-Kyjv22-0.45/0.75kv-10x2.5mm2	Km	5224.44	0.45	2351
139	Control Cable(Termite Proof)Zra-Kyjv22-0.45/0.75kv-14x2.5mm2	Km	7032.50	0.4	2813
140	Control Cable(Termite Proof)Zr-Djypvp22-	Km	35884.00	0.25	8971

	0.45/0.75kv-30x2x1.5mm2				
141	Other -Metal Support-Galvanized Metal Support	Mt	1115.00	9.661	10772
142	Framework Of Bridge For Cable-Aluminum Alloy	Mt	5857.40	20	117148
143	Power Cable Termite Proof Zra-Yjv22-8.7/10kv/3x70mm²	Km	42406.18	3.075	130399
144	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/4x6mm²	Km	4432.43	0.185	820
145	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/4x4mm²	Km	3178.95	0.095	302
146	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/4x16mm²	Km	10496.20	0.395	4146
147	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x6mm²	Km	3469.33	0.375	1301
148	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x50+1x25mm²	Km	25781.82	0.11	2836
149	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x4mm²	Km	2524.54	4.585	11575
150	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x25mm²	Km	12086.87	0.495	5983
151	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x2.5mm²	Km	1764.00	0.5	882
152	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x185+1x95mm²	Km	93685.71	0.385	36069
153	Control Cable Termite Proof Zra-Kyjv22-450/750v/7x1.5mm²	Km	2480.42	4.725	11720
154	Control Cable Termite Proof Zra-Kyjv22-450/750v/14x2.5mm²	Km	7033.82	3.075	21629
155	Other -Metal Support-Galvanized Metal Support	Mt	1116.01	0.431	481
156	Explosion Proof Electrodeless Lamp	Set	313.78	50	15689
157	Lighting -Explosion-Proof Lighting-Unit Zone	10set	693.20	5	3466
158	Monotube Energy Saving Fluorescent Lamp	Set	41.87	15	628
159	Double-Tube Energy Saving Fluorescent Lamp	Set	41.84	80	3347
160	Square Energy Saving Fluorescent Lamp	Set	41.83	18	753
161	Lighting - Non-Explosion-Proof Lighting - General Lighting	10set	226.73	11.3	2562
162	Waterproof Dustproof Energy Saving Fluorescent Lamp（Top Suction)	Set	271.97	30	8159
163	Waterproof Dustproof Electrodeless Lamp	Set	313.80	35	10983

164	Lighting - Non - Explosion-Proof Light - Waterproof Dustproof	10set	509.85	6.5	3314
165	Wirebv-450/750v-1x2.5mm2	Km	418.52	2.7	1130
166	Power Cablezra-Yjv22-0.6/1kv-3x4mm2	Km	2525.00	0.12	303
167	Power Cablezra-Yjv22-0.6/1kv-3x2.5mm2	Km	1765.00	0.6	1059
168	Aluminium Alloy Wire Slot	Mt	5857.58	0.33	1933
169	Earthing Detection Well	-	418.33	6	2510
170	Yellow Green Interlacing Insulated Wire Bv-500 70mm2	10 Meters	205.83	30	6175
171	Yellow Green Interlacing Insulated Wire Bv-500 50mm3	10 Meters	167.33	15	2510
172	Yellow Green Interlacing Insulated Wire Bv-500 10mm3	10 Meters	41.87	15	628
173	Earthing Copper Bar Length1m	Set	418.50	4	1674
174	Hot Galvanized Angle Steel 50x50x5	-	1150.56	52	59829
175	Hot-Galvanized Flat Steel 50x6	10 Meters	1150.56	290	333663
176	Hot-Galvanized Flat Steel 40x4	10 Meters	1150.56	110	126562
177	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x70+1x35mm²	Km	35968.92	0.74	26617
178	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x50mm²	Km	22164.00	0.75	16623
179	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-3x6mm²	Km	3468.75	0.8	2775
180	Power Cable Termite Proof Zra-Yjv22-0.6/1kv-4x25mm²	Km	15902.22	0.45	7156
181	Control Cable Termite Proof Zra-Kyjv22-0.5kv-10x1.5mm²	Km	3427.01	1.37	4695
182	Organic Fireproof Plugging Material	T	4184.00	1	4184
183	Explosion Proof Electrodeless Lamp	Set	313.80	20	6276
184	Explosion Proof Floodlit Electrodeless Lamp	Set	313.75	4	1255
185	Lighting -Explosion-Proof Lighting-Unit Zone	10set	693.33	2.4	1664
186	Wire Bv-0.5kv-1x2.5mm2	Km	209.00	1	209
187	Cable Termite Proofzra-Yjv22-0.6/1kv-3x2.5mm²	Km	1585.71	0.35	555
188	Other -Metal Support-Galvanized Metal Support	Mt	1117.32	0.179	200
189	Earthing Detection Well	-	418.50	2	837
190	Hot Galvanized Angle Steel 50x50x5	-	1150.55	20	23011
191	Hot-Galvanized Flat Steel 50x6	10 Meters	1150.56	45	51775

192	Hot-Galvanized Flat Steel 40x4	10 Meters	1150.53	15	17258
193	Brass &Bronze Stranded Cable 35mm2	10 Meters	67.00	5	335
194	Wirehrv-2x0.5	Km	1046.67	0.3	314
195	Telephone Cable(20 Pair)	Km	2093.33	0.15	314
196	Power Supply Cable 3x2.5mm2,1kv,Flame Retardant, Non - Armour Copper Core	Km	2100.00	0.05	105
197	Loudspeaker Cable	Km	2093.33	0.15	314
198	System Cable	Km	10459.44	1.8	18827
199	Temperature Sensing Cable	Km	10460.00	0.8	8368
200	Telecommunication Line Laying-Telephone Cable (Wire)Laying	1000meter	380.00	0.8	304
201	Double Twisted Wire2*1.5mm2,Pair Twist,Shield,Flame Retardant	Km	516.36	1.1	568
202	Fire Alarm Cable2*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	3023.00	3	9069
203	Fire Alarm Cable6*2*1.5mm2,Pair Twist,Shield,Flame Retardant	Km	6756.67	0.9	6081
204	Power Supply Cable 3x2.5mm2,1kv,Flame Retardant, Non - Armour Copper Core	Km	2100.00	0.05	105
205	Explosion Proof Type Assembly Box	-	69.00	4	276
206	Special Purpose Composite Cable	Km	10460.00	0.6	6276
207	Cablervvp-3x2.5mm2	Km	2092.00	1	2092
208	Supporting Cable	Km	10466.67	0.03	314
209	Information Socket	Set	34.95	21	734
210	Twisted Pair,Class 6, Non - Shield	Km	2064.14	1.216	2510
211	Power Supply Cable 3x2.5mm2,1kv,Flame Retardant, Non - Armour Copper Core	Km	2100.00	0.05	105
212	Loudspeaker Cable	Km	2091.67	0.12	251
213	System Cable	Km	10460.00	1.2	12552
214	Factory Telecommunication Equipment Installation - Sound Amplification Calling	Set	33.30	10	333
215	Temperature Sensing Cable	Km	3770.00	0.1	377
216	Double Twisted Wire2*1.5mm2,Pair Twist,Shield,Flame Retardant	Km	516.25	0.8	413
217	Fire Alarm Cable2*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	3022.67	1.5	4534
218	Fire Alarm Cable6*2*1.5mm2,Pair Twist,Shield,Flame Retardant	Km	6756.67	0.6	4054
219	Telephone Line 2*0.5mm,Flame Retardant	Km	200.00	0.05	10

220	Power Supply Cable 3x2.5mm2,1kv,Flame Retardant, Non - Armour Copper Core	Km	2100.00	0.05	105
221	Video Management Terminal	Set	69.00	1	69
222	Globular Video Camera	Set	21.00	2	42
223	Integrated Color Video Camera	Set	21.00	3	63
224	Assembly Box	-	69.00	3	207
225	Special Purpose Composite Cable	Km	10460.00	0.4	4184
226	Cable（Rvvp-3x2.5mm2）	Km	2091.43	0.7	1464
227	Supporting Cable	Km	10450.00	0.02	209
228	Fire Alarm Cable10*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	9601.67	0.6	5761
229	Fire Alarm Cable2*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	3023.33	0.6	1814
230	Loudspeaker Cable	Km	2100.00	0.02	42
231	System Cable	Km	10460.00	0.8	8368
232	Factory Telecommunication Equipment Installation - Sound Amplification Calling	Set	33.50	2	67
233	Integrated Color Video Camera	Set	21.00	1	21
234	Assembly Box	-	69.00	1	69
235	Single Mode Fiber Cable	100 M	313.83	6	1883
236	Cable Rvvp-3x2.5mm2	Km	2091.67	0.6	1255
237	Supporting Cable	Km	10500.00	0.01	105
238	Installation Of Automatic Control Main Materials-Metal Support And Other-Manufacture &Installation Of Metal Support	Mt	755.70	1.228	928
239	Automatic Control Main Materials Installation - Instrumentation Tube -Carbon Steel Seamless Tube	10 Meters	51.25	260	13326
240	Combined Instrument Cable Tray Box	Mt	5857.40	10	58574
241	Pair Twisted Multistrand Flexible Cable 2×1.5mm2	Km	1318.00	5	6590
242	Pair Twisted Multistrand Flexible Cable 2×2×1.5mm2	Km	2259.27	15	33889
243	Pair Twisted Multistrand Flexible Cable 3×2.5mm2	Km	1694.40	5	8472
244	Pair Twisted Multistrand Flexible Cable 12×2×1.5mm2	Km	11296.00	1	11296
245	Seamless Stainless Steel Tubeφ14x2.2	Meter	41.84	50	2092
246	Adapter Substitute ＋ Terminal Connector Φ22psw-Φ14tsw	-	31.40	10	314
247	Pipe Clamp,Elbow, Tee Joint Etc Φ14tsw	-	31.40	10	314

248	Set Terminal Fitting Φ14df－1/2npt(M)	-	31.40	10	314
249	Shutoff Valve Φ14tsw	-	251.00	10	2510
250	Explosion Proof Cable Lead-In Device	-	31.38	150	4707
251	Installation Of Automatic Control Main Materials-Metal Support And Other-Manufacture &Installation Of Metal Support	Mt	756.10	0.738	558
252	Automatic Control Main Materials Installation - Instrumentation Tube -Carbon Steel Seamless Tube	10 Meters	51.28	18	923
253	Installation Of Automatic Control Main Materials -Instrumentation Tube - Stainless Steel Tube	10 Meters	225.00	1	225
254	Inside Thread Stainless Steel Ball Valve	-	83.50	2	167
255	Air Supply Ball Valve	-	42.00	3	126
256	Shutoff Valve Φ14tsw	-	83.67	6	502
257	Connecting Tube &Tube Valve Parts Seamless Stainless Steel Tubeφ14x2.2	Meter	41.84	50	2092
258	Combined Instrument Cable Tray Box(Matching Parts For Installation Of Cable Tray Box Provided)	Mt	5857.41	2.7	15815
259	Pair Twist Multistrand Armoured Cable 2×1.5mm2	Km	1713.33	4.5	7710
260	Pair Twist Multistrand Armoured Cable 2×2×1.5mm2	Km	12237.78	4.5	55070
261	Pair Twist Multistrand Armoured Cable 12×2×1.5mm2	Km	14685.56	0.9	13217
262	Explosion Proof Cable Lead-In Device	-	20.93	40	837
263	Installation Of Automatic Control Main Materials-Metal Support And Other-Manufacture &Installation Of Metal Support	Mt	754.10	0.122	92
264	Automatic Control Main Materials Installation - Instrumentation Tube -Carbon Steel Seamless Tube	10 Meters	50.00	0.2	10
265	Pair Twisted Multistrand Flexible Cable 2×1.5mm2	Km	1317.78	0.9	1186
266	Pair Twisted Multistrand Flexible Cable 2×2.5mm2	Km	1506.67	0.9	1356
267	Pair Twisted Multistrand Flexible Cable 2×2×1.5mm2	Km	2258.89	0.9	2033
268	Explosion Proof Cable Lead-In Device	-	20.90	20	418
269	Connecting Tube &Tube Valve Parts Seamless Stainless Steel Tubeφ14x2.2	Meter	42.00	3	126

270	Connecting Tube &Tube Valve Parts Stainless Steel Tube	Set	16.80	5	84
271	Carbon Steel Pipeline	Mt	6263.32	350.789	2197104
272	Stainless Steel Pipe	Mt	174160.51	5.526	962411
273	Composite Plastics Pipe	10 Meters	1028.87	43.5	44756
274	Cast Iron Pipe Installation -Dn600	10 Meters	1055.94	128.5	135688
275	Valve	-	1193.63	891	1063523
276	Filterdn100 Pn=1.0mpa	-	314.00	2	628
277	Metal Hose65ty(16)Pb-1200dn100 Pn=1.6mpa	-	1046.00	14	14644
278	Metal Hose65ty(16)Pb-1200dn65 Pn=1.6mpa	-	836.75	4	3347
279	Pipeline Mixer Dn100	-	1046.00	4	4184
280	Water Meter Lxlc -50a	-	63.00	1	63
281	Pipeline Insulation-Fibre Products (Pipe Wall)-Rock Wool	M3	114.23	40	4569
282	Pipeline - Galvanized Steel Sheet Δ=0.5	10m2	77.19	100	7719
283	Iron Red Phenolic Aldehyde Anticorrosive Paint 2 Coats	10m2	14.63	30	439
284	Assorted Color Phenolic Aldehyde Enamel Paint 2 Coats	10m2	7.10	30	213
285	Iron Red Phenolic Aldehyde Anticorrosive Paint 2 Coats	10m2	14.64	500	7322
286	Pipeline Coal Tar Epoxy Paint Corrosion Protection - 1 Primer 2 Finishing	10m2	34.52	950	32791
287	Pipeline Coal Tar Epoxy Paint Corrosion Protection -Each Add 1 Cloth 1 Paint	10m2	23.43	950	22258
288	Cast Iron Tube,Radiator Corrosion Protection - Asphalt Varnish 2 Coats	10m2	11.71	100	1171
289	Carbon Steel Pipeline	Mt	1275.93	418.495	533969
290	Cast Iron Pipeline	10 Meters	1008.69	71	71617
291	Stainless Steel Pipeline	Mt	293111.60	1.129	330923
292	Hard Polvinyl Choride Pipe	Meter	8.20	455	3730
293	Valve	-	4190.79	141	590901
294	Pipeline Insulation-Fibre Products (Pipe Wall)-Φ57below - Magnesium Aiuminium Silicate	M3	209.00	2	418
295	Installation Of Moisture Barrier &Protective Layer-Sheet Metal Nailed-Pipeline -	10m2	77.20	5	386

	Galvanized Steel Sheet Δ=0.5				
296	Pipeline Asphalt Felt, Asphalt Glass Cloth, Epoxy Coal Tar, Polyethylene Tape-Pipeline Coal Tar Epoxy Paint Corrosion Protection - 1 Primer 2 Finishing	10m2	34.52	379	13082
297	Corrosion Protection Tape	10m2	73.22	379	27749
298	Carbon Steel Pipeline	Mt	1168.98	2959.455	3459544
299	Compound Pipeline	Meter	95.50	4910	468897
300	Cast Iron Pipeline	Meter	96.33	7905	761456
301	Water Meter Dn200 Lxlc-200a	-	16735.00	1	16735
302	Water Meter Dn450 Lxlc-450a	-	25103.00	2	50206
303	Valve	Meter	3235.99	128	414207
304	Pipeline Coal Tar Epoxy Paint Corrosion Protection - 1 Primer 2 Finishing	10m2	34.52	5600	193294
305	Corrosion Protection Tape	10m2	73.22	5600	410018
306	Carbon Steel Pipeline	Mt	12286.79	3.058	37573
307	Grid B×H=5000×4500(Mm)	-	8367.67	3	25103
308	Hood Type Vent Pipe 02s403（Z-400）	-	523.00	18	9414
309	Valve	-	10050.63	16	160810
310	Pipeline Insulation-Fibre Products (Pipe Wall)-Assorted Specs-Rock Wool	M3	114.33	3	343
311	Installation Of Moisture Barrier &Protective Layer-Sheet Metal Nailed-Pipeline - Galvanized Steel Sheet Δ=0.5	10m2	77.17	12	926
312	Iron Red Phenolic Aldehyde Anticorrosive Paint 2 Coats	10m2	14.62	2.6	38
313	Assorted Color Phenolic Aldehyde Enamel Paint 2 Coats	10m2	6.92	2.6	18
314	Fire-Prevention Facility Installation - Air-Foam Generator Installation -Pc—8	-	418.50	4	1674
315	Fire-Prevention Facility Installation - Air-Foam Generator Installation -Pc—16	-	732.20	10	7322
316	Fire Hose Spool	Set	2615.00	4	10460
317	Solenoglyphic Tooth Interface& Stifle Cover	-	62.78	18	1130
318	Whole Mask Gas Mask	-	523.00	12	6276
319	Electrostatic Prevention Overalls	Set	125.50	24	3012
320	Acid-&Alkali- Proof Glove	Pair	20.92	24	502
321	Electrostatic Prevention Oil-Proof Footware	Pair	62.75	24	1506
322	Safety Helmet	-	62.75	24	1506
323	Safty Goggles	-	20.92	12	251

324	Ear Shield	-	20.92	12	251
325	Accident Cabinet	-	523.00	2	1046
326	Wind Vane	-	209.25	4	837
327	Explosion Proof Emergency Light	-	115.00	4	460
328	First Aid Kit	-	105.00	1	105
329	Acid &Alkali Proof Glove	Pair	21.00	3	63
330	Acid & Alkali Proof Oil-Proof Footware	Pair	62.67	3	188
331	Acid &Alkali Proof Mask	-	125.67	3	377
332	Acid &Alkali Proof Overalls	Set	418.33	3	1255
333	Self-Closing Flushing Valve Squat Type Toilet Bowl	Set	112.00	4	448
334	Inductive Flushing Valve Hanging Type Urinal	Set	437.00	2	874
335	Single Stem Single Orifice Tap On-Stand Washbasin	Set	132.75	4	531
336	Eyebath	10set	12550.00	0.1	1255
337	Sanitary Ware Installation -Washbasin Steel Pipe Composition Cold Water	10set	960.00	0.2	192
338	Sanitary Ware Installation -Wash Tub	10set	4185.00	0.2	837
339	Sanitary Ware Installation -Tap	10-	30.00	0.1	3
340	Self-Closing Flushing Valve Squat Type Toilet Bowl	Set	112.00	6	672
341	Inductive Flushing Valve Hanging Type Urinal	Set	437.00	2	874
342	Single Stem Single Orifice Tap On-Stand Washbasin	Set	133.00	3	399
343	Self-Closing Flushing Valve Dn25	-	15.83	6	95
344	Ordinary Tap	10-	30.00	0.2	6
345	Angle Shutoff Valve Dn15	-	34.67	3	104
346	Inductive Flushing Valve Dn20	-	133.00	2	266
347	Single Stem Single Orifice Tap Dn15	10-	146.67	0.3	44
348	Whole Mask Gas Mask	-	523.00	8	4184
349	Electrostatic Prevention Overalls	Set	125.50	12	1506
350	Acid-&Alkali- Proof Glove	Pair	20.92	12	251
351	Electrostatic Prevention Oil-Proof Footware	Pair	62.75	12	753
352	Safety Helmet	-	62.75	12	753
353	Safty Goggles	-	20.88	8	167
354	Ear Shield	-	20.88	8	167
355	Accident Cabinet	-	523.00	1	523
356	Explosion Proof Emergency Light	-	115.00	4	460
357	First Aid Kit	-	105.00	1	105
358	Acid &Alkali Proof Glove	Pair	21.00	2	42

359	Acid & Alkali Proof Oil-Proof Footware	Pair	63.00	2	126
360	Acid &Alkali Proof Mask	-	125.50	2	251
361	Acid &Alkali Proof Overalls	Set	418.50	2	837
362	Foam Hydrant	Set	1464.33	27	39537
363	Steel Structure	Mt	1359.75	29.935	40704
364	Fixed Top Tank (5000m3)	-	1128.50	2	2257
365	Edge Waterproof Facility	Set	4138.50	2	8277
366	Inner Corrosion Protection-Oil Tank	M2	18.83	4000	75309
367	Outer Corrosion Protection -Oil Tank	M2	16.74	4502	75343
368	Fixed Top Tank (10000m3)	-	1277.50	2	2555
369	Edge Waterproof Facility	Set	5912.00	2	11824
370	Inner Corrosion Protection-Oil Tank	M2	18.83	7000	131792
371	Outer Corrosion Protection -Oil Tank	M2	16.74	7030	117650
372	Filtering Material,Pebble	M3	251.00	10	2510
373	Filtering Material Homogeneous Quartz Sand	M3	209.19	240	50206
374	Filter Plate　1000mm×1000mm×100mm	-	198.73	192	38157
375	Strainer Head　Dn25	Set	7.32	9550	69923
376	Cast Iron Embed Copper Gate	Set	7321.75	4	29287
377	Power Cable Zr-Yjv22-0.6/1kv-5x4mm²	Km	3996.00	0.5	1998
378	Power Cable Zr-Yjv22-0.6/1kv-5x6mm²	Km	5590.00	0.1	559
379	Power Cable Zr-Yjv22-0.6/1kv-3x25+1x16mm²	Km	14860.00	0.05	743
380	Power Cable Zr-Yjv22-0.6/1kv-3x95+1x50mm²	Km	49800.00	0.05	2490
381	Power Cable Zr-Yjv-1kv/3x240+1x120mm²	Km	123680.00	0.1	12368
382	Control Cablezr-Kyjvp-0.5kv/2x2.5mm²	Km	1560.00	0.2	312
383	Control Cablezr-Kyjvp-0.5kv/10x1.5mm²	Km	3936.67	0.3	1181
384	Control Cablezr-Kyjvp-0.5kv/4x1.5mm²	Km	1756.67	0.3	527
385	Control Cablezr-Kyjvp22-0.5kv/19x2.5mm²	Km	9432.00	0.5	4716
386	Computer Cable Zr-Djypv-1-1x2x1.5mm²	Km	1072.00	0.5	536
387	Power Cable Zr-Yjv22-0.6/1kv-3x120mm²	Km	53415.29	1.7	90806
388	Power Cable Zr-Yjv22-0.6/1kv-3x35mm²	Km	16557.74	2.65	43878
389	Power Cable Zr-Yjv22-0.6/1kv-3x16mm²	Km	8198.46	0.65	5329
390	Power Cable Zr-Yjv22-0.6/1kv-3x4mm²	Km	2550.06	8.75	22313
391	Power Cable Zr-Yjv22-0.6/1kv-5x4mm²	Km	3994.29	0.35	1398
392	Power Cable Zr-Yjv22-0.6/1kv-4x4mm²	Km	3215.00	0.2	643
393	Power Cable Zr-Yjv22-0.6/1kv-3x50mm²	Km	22708.33	0.12	2725
394	Power Cable Zr-Yjv22-0.6/1kv-4x16mm²	Km	10708.33	0.12	1285
395	Power Cable Zr-Yjv22-0.6/1kv-	Km	14852.22	0.9	13367

	3x25+1x16mm²				
396	Power Cable Zr-Yjv22-0.6/1kv-3x95+1x50mm²	Km	49805.00	1	49805
397	Control Cablezr-Kyjvp22-0.5kv/14x2.5mm²	Km	7125.88	1.7	12114
398	Control Cablezr-Kyjvp22-0.5kv/10x1.5mm²	Km	3452.90	1.55	5352
399	Control Cablezr-Kyjvp22-0.5kv/7x1.5mm²	Km	2451.70	10	24517
400	Other -Metal Support-Manufacture &Installation Of Galvanized Metal Support	Mt	1238.89	6.392	7919
401	Double-Barrelled Fluorescent Lamp Ac220v 2×40w	Set	41.83	18	753
402	Monotube Fluorescent Lamp Ac220v 1×40w	Set	37.75	4	151
403	Double-Barrelled Fluorescent Lamp Ac220v 2×40w	Set	41.85	20	837
404	Waterproof Dustproof Non-Corrosive Metal Halide Lamp	Set	271.96	46	12510
405	Grounding For Lightening - Earthing Laying-Oridinaryearthing Pole	-	1150.56	80	92045
406	Grounding For Lightening - Earthing Laying-Galvanized Iron Ground Wire	10 Meters	1150.56	240	276135
407	Grounding For Lightening - Earthing Laying - Copper Ground Wire	10 Meters	62.76	50	3138
408	Power Cable Zr-Yjv22-10kv-3x70mm²	Km	43070.56	1.8	77527
409	Power Cable Zr-Yjv22-1kv-3x95+1x50mm²	Km	49804.00	0.25	12451
410	Power Cable Zr-Yjv22-1kv-3x10+1x6mm²	Km	6444.00	0.25	1611
411	Power Cable Zr-Yjv22-1kv-3x75mm²	Km	31574.00	0.5	15787
412	Power Cable Zr-Yjv22-1kv-5x6mm²	Km	5584.00	0.25	1396
413	Power Cable Zr-Yjv22-1kv-3x4mm²	Km	2550.00	2.3	5865
414	Control Cablezr-Kyjvp22-0.5kv/14x2.5mm²	Km	7125.22	2.3	16388
415	Control Cablezr-Kyjvp22-0.5kv/7x1.5mm²	Km	2451.60	2.5	6129
416	Other -Metal Support-Manufacture &Installation Of Galvanized Metal Support	Mt	1240.00	0.3	372
417	Water&Dust Proof Lamp (Bent Pole) 1×120w	Set	251.06	16	4017
418	Water&Dust Proof Lamp (Suspension Rod)1×70w	Set	251.03	40	10041
419	Ordinary Double-Barrelled Fluorescent Lamp 220v 2×40w	Set	41.75	4	167
420	Shallow Flat Circular Coffered Light Panel 220v 1×32w	Set	37.67	3	113
421	Lighting - Non-Explosion-Proof Lighting - General Lighting	10set	226.83	6.3	1429
422	Grounding For Lightening - Earthing Laying-Oridinaryearthing Pole	-	1150.50	8	9204

423	Grounding For Lightening - Earthing Laying-Galvanized Iron Ground Wire	10 Meters	1150.56	50	57528
424	Grounding For Lightening - Earthing Laying - Copper Ground Wire	10 Meters	62.77	30	1883
425	Press Button Telephone	-	35.00	7	245
426	Telephone Cable Hya53-10×2×0.6mm	Km	4183.33	0.3	1255
427	Telephone Line Rvb-2×0.5mm	Km	1050.00	0.1	105
428	Double Twisted Wire	Km	1046.67	0.3	314
429	Power Supply Cable 3×2.5mm2 1kv	Km	2100.00	0.05	105
430	Fiber Optic Cable	Km	2092.00	0.5	1046
431	Power Supply Cable 3x2.5mm2	Km	7321.67	0.6	4393
432	Special Purpose Composite Cable System Matching	Km	10460.00	0.5	5230
433	Cable12x1.5mm2	Km	62757.50	1.2	75309
434	Cable2x1.5mm2	Km	1318.00	2	2636
435	Power Supply Cable 3x2.5mm2	Km	7321.75	4	29287
436	Temperature Sensing Cable	Km	20.00	0.3	6
437	Double Twisted Wire 2×1.5mm2	Km	1046.00	0.5	523
438	Power Supply Cable 3x2x1.5mm2	Km	7540.00	0.1	754
439	Telephone Line 2×0.5mm	Km	1050.00	0.02	21
440	Telecommunication Line Laying-Telephone Cable (Wire)Laying	1000meter	400.00	0.02	8
441	Telephone Line Rvb-2×0.5mm	Km	1050.00	0.1	105
442	Telephone Cable(Wire) Laying	1000meter	380.00	0.1	38
443	Special Purpose Composite Cable System Matching	Km	10460.00	0.2	2092
444	Cable2x1.5mm2	Km	1318.00	1.5	1977
445	Power Supply Cable 3x2.5mm2	Km	7320.00	0.2	1464
446	Telephone Line 2×0.5mm	Km	1050.00	0.02	21
447	Manufacture &Installation Of Metal Support	Mt	944.44	1.008	952
448	Instrumentation Tube-Galvanized Steel Pipe	10 Meters	74.47	365	27183
449	Air Supply Ball Valve	-	41.83	35	1464
450	Socket Weldingshutoff Valve	-	52.29	45	2353
451	Computer Signal Flexible Cable 1×2×1.5mm2	Km	1317.92	13	17133
452	Computer Signal Flexible Cable 2×2×1.5mm2	Km	2259.33	3	6778
453	Computer Signal Flexible Cable 4×2×1.5mm2	Km	4183.75	4	16735

454	Computer Signal Flexible Cable 5×2×1.5mm2	Km	7530.91	11	82840
455	Computer Signal Flexible Cable 1×3×1.5mm2	Km	1506.00	2.5	3765
456	Computer Signal Flexible Cable 1×3×2.5mm2	Km	1570.00	0.3	471
457	Trench Type Aluminum Alloy Framework Of Bridge	Mt	5857.40	5	29287
458	Manufacture &Installation Of Metal Support	Mt	944.44	0.054	51
459	Instrumentation Tube-Carbon Steel Seamless Pipe	10 Meters	74.50	2	149
460	Instrumentation Tube-Galvanized Steel Pipe	10 Meters	74.48	40	2979
461	Compound Shield Twisted-Pair Computer Signal Flexible Cable 2×1.5mm2	Km	1317.33	0.75	988
462	Explosion Proof Cable Lead-In Device	Set	25.20	5	126
463	Flexible Tube	10-	134.00	0.5	67
464	Welded Steel Pipe For Lowpressure Stream Conveyance Dn200	10 Meters	1576.68	63.6	100277
465	Welded Steel Pipe For Lowpressure Stream Conveyance Dn150	10 Meters	1513.91	16.1	24374
466	Welded Steel Pipe For Lowpressure Stream Conveyance Dn100	10 Meters	1415.81	21.7	30723
467	Welded Steel Pipe For Lowpressure Stream Conveyance Dn50	10 Meters	1525.22	2.3	3508
468	Common Spiral Seam Submerged Arc Welding Steel Pipe For Liquid Transmission Pipeline Dn700	10 Meters	1681.74	2.3	3868
469	Ordinary Spiral Seam Submerged Arc Welding Steel Pipe For Liquid Transmission Pipeline Dn600	10 Meters	1456.59	20.8	30297
470	Ordinary Spiral Seam Submerged Arc Welding Steel Pipe For Liquid Transmission Pipeline Dn500	10 Meters	1410.81	44.7	63063
471	Ordinary Spiral Seam Submerged Arc Welding Steel Pipe For Liquid Transmission Pipeline Dn450	10 Meters	1410.80	17.6	24830
472	Ordinary Spiral Seam Submerged Arc Welding Steel Pipe For Liquid Transmission Pipeline Dn400	10 Meters	1401.79	19.6	27475
473	Ordinary Spiral Seam Submerged Arc Welding Steel Pipe For Liquid Transmission Pipeline Dn350	10 Meters	1636.73	4.9	8020

474	Ordinary Spiral Seam Submerged Arc Welding Steel Pipe For Liquid Transmission Pipeline Dn300	10 Meters	1619.77	29.8	48269
475	Ordinary Spiral Seam Submerged Arc Welding Steel Pipe For Liquid Transmission Pipeline Dn250	10 Meters	1606.78	11.5	18478
476	Galvanized Welded Steel Pipe-Low Pressure Stream Conveyance Dn50	10 Meters	1734.42	16.5	28618
477	Stainless Steel Seamless Steel Pipe-Liquid Conveyance Dn32	10 Meters	8626.10	8.2	70734
478	Stainless Steel Seamless Steel Pipe-Liquid Conveyance Dn25	10 Meters	8898.41	8.2	72967
479	Installation Of Cast Iron Pipeline- Dn500	10 Meters	1741.13	12.4	21590
480	Cast Iron Pipe Installation -Dn200	10 Meters	634.91	37.3	23682
481	Installation Of Plastic Pipeline-Dn50	10 Meters	63.94	6.6	422
482	Installation Of Plastic Pipeline-Dn32	10 Meters	27.84	16.2	451
483	Valve	-	5233.39	41	214569
484	Pipeline Coal Tar Epoxy Paint Corrosion Protection - 1 Primer 2 Finishing	10m2	34.52	230	7939
485	Pipeline Coal Tar Epoxy Paint Corrosion Protection -Each Add 1 Cloth 1 Paint	10m2	23.43	380	8903
486	Spiral Seam Submerged Arc Welding Steel Pipe For Liquid Transmission Pipeline	Mt	1292.15	99.605	128705
487	Ductile Iron Pipe	10 Meters	1267.29	7	8871
488	Valve	-	7584.23	61	462638
489	Pipeline Coal Tar Epoxy Paint Corrosion Protection - 1 Primer 2 Finishing	10m2	34.52	155	5350
490	Propyleneploycoat Corrosion Protection Tape	10m2	209.19	230	48114
491	Outdoor Overground Fire Hydrant	Set	836.75	4	3347
TOTAL					20560009
14) Heat Supply Project					
1	Steel Structure	Mt	1055.48	50	52774
2	Steel Structure	Mt	1055.47	270	284978
3	Steel Structure	Mt	1055.49	35	36942
4	Steel Structure	Mt	1055.48	103	108714
5	Steel Structure	Mt	1055.47	365	385248
6	Steel Framework	Mt	974.28	324	315668

7	Steel Framework	Mt	974.29	35	34100
8	Steel Structure	Mt	1055.43	10.5	11082
9	Steel Structure	Mt	1055.47	230	242759
10	Steel Structure	Mt	1055.47	30	31664
11	Steel Structure	Mt	1055.33	1.5	1583
12	Equipment Insulation - Fibre Category Bulk Material	M3	162.38	8	1299
13	Moisture Barrier, Protective Layer Installation - Metal Sheet	10m2	62.35	8.5	530
14	Moisture Barrier, Protective Layer Installation - Fire-Resisting Paint	10m2	150.00	1.5	225
15	Steel Structure	Mt	1055.50	2	2111
16	Moisture Barrier, Protective Layer Installation - Fire-Resisting Paint	10m2	150.00	3.6	540
17	Steel Structure	Mt	1055.50	2	2111
18	Equipment Insulation - Fibre Category Bulk Material	M3	162.37	11.4	1851
19	Moisture Barrier, Protective Layer Installation - Metal Sheet	10m2	62.36	16.5	1029
20	Moisture Barrier, Protective Layer Installation - Fire-Resisting Paint	10m2	150.00	2	300
21	T-101 Raw-Water Tank Φ6400x8319 Fixed Top Tank 200m3	-	14612.00	1	14612
22	Tank Body Accessory	Set	979.00	1	979
23	Inside-Tank Preservation	M2	12.99	300	3897
24	Outside-Tank Preservation	M2	11.37	355	4035
25	Tank Button Surface Preservation	M2	13.00	35	455
26	0713-T-103 Level-2 Desalting Water Tank Φ11000x12658 Fixed Top Tank 1000m3	-	37162.00	2	74324
27	Tank Body Accessory Edge Waterproof Facilities	Set	1683.00	1	1683
28	Inside-Tank Preservative	M2	12.99	850	11042
29	Outside-Tank Preservative	M2	11.37	850	9662
30	Tank Button Surface Preservation	M2	12.99	98	1273
31	Arch-Tank 100m3	-	7531.00	1	7531
32	Tank Body Accessory Edge Waterproof Facilities	Set	612.00	1	612
33	Inside-Tank Preservative	M2	12.99	110	1429
34	Outside-Tank Preservative	M2	11.37	155	1762
35	Tank Button Surface Preservation	M2	13.00	15	195
36	Carbon Steel Pipeline	Mt	1622.97	85.69	139072

37	Valve	-	489.08	149	72873
38	Pipeline Insulation-Fibre Products (Pipe Wall)	M3	162.38	100	16238
39	Metal Sheet Nail Mouth	10m2	59.92	255	15279
40	Inorganic Zine-Rich Primer 2 Coats	10m2	62.84	160	10055
41	Carbon Steel Pipeline	Mt	1861.89	99.09	184495
42	Valve	-	1603.07	124	198781
43	Safety Valve	-	2435.50	2	4871
44	Pipeline Insulation-Fibre Products (Pipe Wall)	M3	162.38	109.3	17748
45	Metal Sheet Nail Mouth	10m2	59.92	291.28	17453
46	Inorganic Zine-Rich Primer 2 Coats	10m2	62.84	300	18852
47	Micaceous Iron Phenolic Aldehyde Antirusting Paint	10m2	11.35	20	227
48	Silver Alkyd Enamel	10m2	10.90	20	218
49	Carbon Steel Pipeline	Mt	2180.75	53.65	116997
50	Valve	-	785.87	119	93518
51	Safety Valve	-	2435.50	2	4871
52	Pipeline Insulation-Fibre Products (Pipe Wall)	M3	162.40	15.4	2501
53	Pipeline Insulation-Polyurethane Foam	M3	366.18	19.9	7287
54	Metal Sheet Nail Mouth	10m2	59.92	101.65	6091
55	Inorganic Zine-Rich Primer Twice	10m2	62.84	50	3142
56	Micaceous Iron Phenolic Aldehyde Antirusting Paint	10m2	11.37	120	1364
57	Silver Alkyd Enamel	10m2	10.88	120	1306
58	Carbon Steel Pipeline	Mt	1457.67	48.03	70012
59	Valve	-	593.42	99	58749
60	Pipeline Insulation-Fibre Products (Pipe Wall)	M3	162.38	50	8119
61	Metal Sheet Nail Mouth	10m2	59.92	133.52	8000
62	Inorganic Zine-Rich Primer 2 Coats	10m2	62.84	150	9426
63	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x95mm²	Km	32300.00	0.4	12920
64	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x50mm²	Km	17205.26	0.95	16345
65	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x25mm²	Km	9382.50	0.8	7506
66	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x16mm²	Km	6245.88	0.85	5309
67	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/4x16mm²	Km	8148.15	0.54	4400
68	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x6mm²	Km	2691.67	0.36	969

69	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x4mm²	Km	1958.97	1.56	3056
70	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x95+1x50mm²	Km	37772.22	0.36	13598
71	Control Cable Termite Proof Zra-Kyjv22-450/750kv/10x2.5	Km	4054.74	1.37	5555
72	Control Cable Termite Proof Zra-Kyjv22-450/750kv/7x1.5mm²	Km	1925.00	3.64	7007
73	Framework Of Bridge For Cable (Aluminum Alloy)	Mt	4546.67	6	27280
74	Fireproof Plugging Material	T	3250.00	0.2	650
75	Other -Metal Support-Galvanized Metal Support	Mt	865.31	3.497	3026
76	Metal Halide Lamp	Set	194.87	30	5846
77	Electrodeless Lamp	Set	243.58	50	12179
78	Lighting - Non-Explosion-Proof Lighting - General Lighting	10set	176.00	8	1408
79	Conductor Bv-0.5kv/1x2.5mm2	Km	324.80	2.5	812
80	Power Cablezr-Yjv22-1kv/5x2.5mm2	Km	2050.00	0.1	205
81	Power Cable Laying-Below 1kv Cable-Cross Section Not More Than 10mm2	1000meter	350.38	2.6	911
82	Other -Metal Support-Galvanized Metal Support	Mt	866.91	0.278	241
83	Yellow Green Interlacing Insulated Wire Bv-500 70mm2	10 Meters	159.80	10	1598
84	Yellow Green Interlacing Insulated Wire Bv-500 50mm3	10 Meters	51.95	20	1039
85	Hot Galvanized Angle Steel 50x50x5	-	8.43	46	388
86	Hot-Galvanized Flat Steel 50x6	10 Meters	21.08	50	1054
87	Hot-Galvanized Flat Steel 40x4	10 Meters	11.26	50	563
88	Copper Stranded Cable Trj-35	10 Meters	39.00	10	390
89	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x95mm²	Km	32301.43	2.1	67833
90	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x35mm²	Km	12571.05	2.66	33439
91	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x4mm²	Km	1958.82	0.68	1332
92	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/4x16mm²	Km	8148.89	0.45	3667

93	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x95+1x50mm²	Km	37772.50	0.4	15109
94	Control Cable Termite Proof Zra-Kyjv22-450/750kv/10x2.5	Km	4054.23	1.42	5757
95	Control Cable Termite Proof Zra-Kyjv22-450/750kv/7x1.5mm²	Km	1925.15	3.34	6430
96	Framework Of Bridge For Cable (Aluminum Alloy)	Mt	4546.63	8	36373
97	Fireproof Plugging Material	T	3250.00	0.2	650
98	Other -Metal Support-Galvanized Metal Support	Mt	865.31	3.497	3026
99	Energy-Saving Fluorescent Lamp	Set	32.48	50	1624
100	Electrodeless Lamp	Set	243.57	60	14614
101	Lighting - Non-Explosion-Proof Lighting - General Lighting	10set	176.00	11	1936
102	Conductor Bv-0.5kv/1x2.5mm2	Km	324.86	3.5	1137
103	Power Cable Zr-Yjv22-1kv/5x2.5mm2	Km	2050.00	0.2	410
104	Power Cable Laying-Below 1kv Cable-Cross Section Not More Than 10mm2	1000meter	350.00	0.2	70
105	Other -Metal Support-Galvanized Metal Support	Mt	866.91	0.278	241
106	Yellow Green Interlacing Insulated Wire Bv-500 70mm2	10 Meters	159.80	10	1598
107	Yellow Green Interlacing Insulated Wire Bv-500 50mm3	10 Meters	52.00	10	520
108	Hot Galvanized Angle Steel 50x50x5	-	8.43	46	388
109	Hot-Galvanized Flat Steel 50x6	10 Meters	21.08	50	1054
110	Hot-Galvanized Flat Steel 40x4	10 Meters	11.26	50	563
111	Copper Stranded Cable Trj-35	10 Meters	39.00	10	390
112	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x95mm²	Km	32301.11	0.9	29071
113	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x25mm²	Km	9382.22	0.9	8444
114	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/4x16mm²	Km	8150.00	0.18	1467
115	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x95+1x50mm²	Km	37772.22	0.18	6799
116	Control Cable Termite Proof Zra-Kyjv22-450/750kv/10x2.5	Km	4054.44	0.9	3649

117	Control Cable Termite Proof Zra-Kyjv22-450/750kv/7x1.5mm²	Km	1925.56	0.9	1733
118	Framework Of Bridge For Cable (Aluminum Alloy)	Mt	4546.67	6	27280
119	Fireproof Plugging Material	T	3250.00	0.2	650
120	Other -Metal Support-Galvanized Metal Support	Mt	865.31	3.497	3026
121	Metal Halide Lamp	Set	194.85	20	3897
122	Electrodeless Lamp	Set	243.57	30	7307
123	Lighting - Non-Explosion-Proof Lighting - General Lighting	10set	176.00	5	880
124	Conductor Bv-0.5kv/1x2.5mm2	Km	325.00	2	650
125	Power Cablezr-Yjv22-1kv/5x2.5mm2	Km	2050.00	0.1	205
126	Other -Metal Support-Galvanized Metal Support	Mt	866.91	0.278	241
127	Yellow Green Interlacing Insulated Wire Bv-500 70mm2	10 Meters	159.80	10	1598
128	Yellow Green Interlacing Insulated Wire Bv-500 50mm3	10 Meters	52.00	10	520
129	Hot Galvanized Angle Steel 50x50x5	-	8.43	46	388
130	Hot-Galvanized Flat Steel 50x6	10 Meters	21.08	50	1054
131	Hot-Galvanized Flat Steel 40x4	10 Meters	11.26	50	563
132	Copper Stranded Cable Trj-35	10 Meters	39.00	10	390
133	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x50mm²	Km	17205.00	0.2	3441
134	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x16mm²	Km	6244.44	0.18	1124
135	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/4x16mm²	Km	8150.00	0.1	815
136	Power Cable Termite Proof Zra-Yjv22-0.6/1kv/3x95+1x50mm²	Km	37770.00	0.1	3777
137	Control Cable Termite Proof Zra-Kyjv22-450/750kv/10x2.5	Km	4055.00	0.2	811
138	Control Cable Termite Proof Zra-Kyjv22-450/750kv/7x1.5mm²	Km	1927.78	0.18	347
139	Control Cable Laying – Not More Than 7 Cores	1000meter	38.89	0.18	7
140	Control Cable Laying – Not More Than 14 Cores	1000meter	50.00	0.2	10

141	Framework Of Bridge For Cable (Aluminum Alloy)	Mt	4546.75	4	18187
142	Fireproof Plugging Material	T	3250.00	0.2	650
143	Other -Metal Support-Galvanized Metal Support	Mt	865.31	3.497	3026
144	Metal Halide Lamp	Set	194.85	20	3897
145	Electrodeless Lamp	Set	243.55	20	4871
146	Lighting - Non-Explosion-Proof Lighting - General Lighting	10set	176.00	4	704
147	Conductor Bv-0.5kv/1x2.5mm2	Km	325.00	2	650
148	Power Cablezr-Yjv22-1kv/5x2.5mm2	Km	2050.00	0.1	205
149	Other -Metal Support-Galvanized Metal Support	Mt	866.91	0.278	241
150	Yellow Green Interlacing Insulated Wire Bv-500 70mm2	10 Meters	159.80	10	1598
151	Yellow Green Interlacing Insulated Wire Bv-500 50mm3	10 Meters	52.00	10	520
152	Hot Galvanized Angle Steel 50x50x5	-	8.43	46	388
153	Hot-Galvanized Flat Steel 50x6	10 Meters	21.08	50	1054
154	Hot-Galvanized Flat Steel 40x4	10 Meters	11.26	50	563
155	Copper Stranded Cable Trj-35	10 Meters	39.00	10	390
156	Fire Alarm Cable5*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	5245.00	0.2	1049
157	Fire Alarm Cable2*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	2346.67	0.3	704
158	Loudspeaker Cable	Km	1620.00	0.05	81
159	System Cable	Km	8120.00	0.5	4060
160	Telecommunication Line Laying-Telephone Cable (Wire)Laying	1000meter	294.55	0.55	162
161	Factory Telecommunication Equipment Installation -Debugging &Accessory Installation Of Sound Amplification,Calling,Broadcasting System	Set	25.75	4	103
162	Integrated Color Video Camera	Set	16.00	2	32
163	Assembly Box	-	53.50	2	107
164	Single Mode Fiber Cable （Four Core)	100m	243.50	6	1461
165	Cable（Rvvp-3x2.5mm2）	Km	1623.33	0.6	974
166	Supporting Cable	Km	8100.00	0.02	162
167	Fire Alarm Cable5*2*1.5mm2,Pair	Km	5242.86	0.07	367

	Twist,Shield,Flame Retardant,Armour				
168	Fire Alarm Cable2*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	2347.50	0.4	939
169	Loudspeaker Cable	Km	1625.00	0.04	65
170	System Cable	Km	8120.00	0.35	2842
171	Integrated Color Video Camera	Set	55.50	2	111
172	Assembly Box(Including Optical Transceiver)	-	53.50	2	107
173	Single Mode Fiber Cable （Four Core)	100 M	243.50	4	974
174	Cable（Rvvp-3x2.5mm2）	Km	1625.00	0.4	650
175	Supporting Cable	Km	8100.00	0.02	162
176	Telephone Cable (Wire)Laying	1000meter	295.24	0.42	124
177	Loudspeaker Cable	Km	1633.33	0.03	49
178	System Cable	Km	8120.00	0.25	2030
179	Factory Telecommunication Equipment Installation - Sound Amplification Calling	Set	26.00	2	52
180	Integrated Color Video Camera	Set	16.00	2	32
181	Assembly Box(Including Optical Transceiver)	-	53.50	2	107
182	Single Mode Fiber Cable （Four Core)	100m	243.50	4	974
183	Cablervvp-3x2.5mm2	Km	1625.00	0.4	650
184	Supporting Cable	Km	8100.00	0.02	162
185	Loudspeaker Cable	Km	1625.00	0.04	65
186	System Cable	Km	8120.00	0.45	3654
187	Factory Telecommunication Equipment Installation -Debugging &Accessory Installation Of Sound Amplification,Calling,Broadcasting System	Set	26.00	1	26
188	Integrated Color Video Camera	Set	55.50	2	111
189	Assembly Box	-	53.50	2	107
190	Single Mode Fiber Cable	100m	243.60	5	1218
191	Cablervvp-3x2.5mm2	Km	1624.00	0.5	812
192	Supporting Cable	Km	8100.00	0.02	162
193	Manufacture &Installation Of Metal Support	Mt	586.39	0.573	336
194	Galvanized Steel Pipe	10 Meters	57.81	245	14163
195	Stainless Steel Pipe	10 Meters	174.88	17	2973
196	Double Twisted Wire,All Shield Control Cable2x1.0mm2	Km	1023.00	3	3069
197	Double Twisted Wire,All Shield Control Cable24x1.0mm2	Km	2922.80	5	14614

198	Double Twisted Wire,All Shield Control Cable12x2x1.0mm2	Km	7307.20	5	36536
199	Double Twisted Wire,All Shield Control Cable32x1.0mm2	Km	4092.00	5	20460
200	Double Twisted Wire,All Shield Control Cable4x1.5mm2	Km	1461.33	1.5	2192
201	Double Twisted Wire,All Shield Control Cable7x1.5mm2	Km	1023.33	0.3	307
202	Double Twisted Wire,All Shield Control Cable2x2.0mm2	Km	1023.33	1.2	1228
203	Waterproof Flexible Tube 1m/Each	-	24.36	100	2436
204	Combined Instrument Cable Tray Box	Mt	4546.67	3	13640
205	Air Supply Ball Valve	-	32.33	3	97
206	Inside Threadshutoff Valve	-	65.00	6	390
207	Manufacture &Installation Of Metal Support	Mt	586.21	0.348	204
208	Galvanized Steel Pipe	10 Meters	57.81	70	4047
209	Stainless Steel Pipe	10 Meters	175.00	3	525
210	Inside Thread Ball Valve	-	65.00	5	325
211	Air Supply Ball Valve	-	32.40	5	162
212	Connecting Tube &Tube Valve Parts Stainless Steel Tube	Meter	32.48	100	3248
213	Connecting Tube &Tube Valve Parts,Pipe Parts	Set	13.00	10	130
214	Connecting Tube &Tube Valve Partssocket Welding Shutoff Valve	-	259.80	15	3897
215	Explosion Proof Cable Lead-In Device（Including Flexible Tube）	-	24.35	20	487
216	Pair Twisted Multistrand Flexible Cable C-12x2x1.5	Km	7795.00	0.2	1559
217	Pair Twisted Multistrand Flexible Cable C-2x1.5	Km	909.20	2.5	2273
218	Manufacture &Installation Of Metal Support	Mt	586.80	0.818	480
219	Galvanized Steel Pipe	10 Meters	57.81	125	7226
220	Stainless Steel Pipe	10 Meters	174.80	5	874
221	Inside Thread Stainless Steel Ball Valve	-	64.93	15	974
222	Air Supply Ball Valve	-	32.47	15	487
223	Connecting Tube &Tube Valve Parts Seamless Stainless Steel Tubeφ14x2.2	Meter	32.48	300	9743

224	Explosion Proof Cable Lead-In Device	-	24.36	45	1096
225	Pair Twisted Multistrand Flexible Cable C-12×2×1.5mm2	Km	8770.00	0.3	2631
226	Pair Twisted Multistrand Flexible Cable C-2×1.5mm2	Km	1023.00	10	10230
227	Manufacture &Installation Of Metal Support	Mt	585.75	0.449	263
228	Carbon Steel Seamless Pipe	10 Meters	39.79	135	5371
229	Stainless Steel Pipe	10 Meters	174.88	120	20986
230	Inside Thread Stainless Steel Ball Valve	-	65.00	5	325
231	Air Supply Ball Valve	-	32.33	3	97
232	Connecting Tube &Tube Valve Parts Seamless Stainless Steel Tubeφ14x2.2	Meter	32.48	200	6495
233	Combined Instrument Cable Tray Box(Matching Parts For Installation Of Cable Tray Box Provided)	Mt	4546.50	2	9093
234	Pair Twisted Multistrand Flexible Cable 2×1.5mm2	Km	1023.00	6	6138
235	Pair Twisted Multistrand Flexible Cable 3×2.5mm2	Km	1315.00	1	1315
236	Pair Twisted Multistrand Flexible Cable 4×2×1.5mm2	Km	4092.00	6.5	26598
237	Pair Twisted Multistrand Flexible Cable 12×2×1.5mm2	Km	8768.00	0.5	4384
238	Cable Lead-In Device	-	24.36	150	3654
239	Nodular Cast Iron Straight Tube	10 Meters	426.91	9.7	4141
240	Carbon Steel Pipeline	Mt	786.91	12.91	10159
241	Valve	-	478.33	3	1435
242	Pipeline Coal Tar Epoxy Paint Corrosion Protection - 1 Primer 2 Finishing	10m2	26.80	50	1340
243	Pipeline Coal Tar Epoxy Paint Corrosion Protection -Each Add 1 Cloth 1 Paint	10m2	27.28	50	1364
244	Carbon Steel Pipeline	Mt	855.38	0.65	556
245	Cast Iron Tube	10 Meters	450.64	7.8	3515
246	Valve	-	90.75	4	363
247	Pipeline Coal Tar Epoxy Paint Corrosion Protection - 1 Primer 2 Finishing	10m2	26.80	15	402
248	Pipeline Coal Tar Epoxy Paint Corrosion Protection -Each Add 1 Cloth 1 Paint	10m2	27.27	15	409

249	Carbon Steel Pipeline	Mt	930.76	41.81	38915
250	Valve	-	4233.33	6	25400
251	Pipeline Coal Tar Epoxy Paint Corrosion Protection - 1 Primer 2 Finishing	10m2	26.80	60	1608
252	Pipeline Coal Tar Epoxy Paint Corrosion Protection -Each Add 1 Cloth 1 Paint	10m2	9.10	60	546
253	Carbon Steel Pipeline	Mt	902.11	22.32	20135
254	Nodular Cast Iron Straight Tube	10 Meters	464.77	6.5	3021
255	Valve	-	90.00	1	90
256	Pipeline Coal Tar Epoxy Paint Corrosion Protection - 1 Primer 2 Finishing	10m2	26.80	50	1340
257	Pipeline Coal Tar Epoxy Paint Corrosion Protection -Each Add 1 Cloth 1 Paint	10m2	27.28	50	1364
258	Water Nozzle (Copper Chromium-Plating) Dn20	10-	110.00	0.1	11
259	Water Nozzle (Copper Chromium-Plating) Dn20	10-	110.00	0.1	11
260	Water Nozzle (Copper Chromium-Plating) Dn20	10-	110.00	0.1	11
261	Stainless Steel Pipeline	Mt	20232.73	11.52	233081
262	Carbon Steel Pipeline	Mt	1594.60	37.02	59032
263	Valve	-	659.31	102	67250
264	Pipeline Insulation-Fibre Products (Pipe Wall)-Assorted Specs-Aluminium Silicate Pipe Wall	M3	162.41	13.7	2225
265	Installation Of Moisture Barrier &Protective Layer -Sheet Metal Nailed-Pipeline-Aluminium Sheet	10m2	59.93	26.7	1600
266	Pipeline Corrosion Protection -Other Type Paint - Organic Silicon Heat-Resistant Paint 2 Coats	10m2	28.07	15	421
267	Pipeline Corrosion Protection -Other Type Paint - Organic Silicon Heat-Resistant Paint 2 Coats	10m2	28.09	122	3427
268	Pipeline Corrosion Protection -Other Type Paint - Organic Silicon Heat-Resistant Paint 2 Coats	10m2	28.09	122	3427
269	Cable Bridge Stand, Fireproof &Airtight Seal - Cable Seal	10-	443.64	3.3	1464
270	Cable Bridge Stand Corrosion Protection With Complex Ethoxyline Resin	Mt	2111.00	3	6333

271	Power Cable8.7/10kv-3x95mm2	Km	42862.06	3.4	145731
272	Power Cable0.6/1kv-3x120mm2	Km	41462.29	3.5	145118
273	Power Cable0.6/1kv-3x50mm2	Km	17626.42	4.05	71387
274	Power Cable0.6/1kv-3x25mm2	Km	9575.54	6.95	66550
275	Power Cable0.6/1kv-3x4mm2	Km	1979.43	3.5	6928
276	Power Cable0.6/1kv-3x50+1x25mm2	Km	20500.61	1.65	33826
277	Power Cable0.6/1kv-3x25+1x16mm2	Km	11530.55	2.75	31709
278	Power Cable0.6/1kv-4x10mm2	Km	5515.83	1.2	6619
279	Control Cable0.6/1kv-7x1.5mm2	Km	1935.64	3.9	7549
280	Computer Cable Paired On Screen With General Shielding6x2x1.0mm2	Km	4721.67	0.6	2833
281	Computer Cable Paired With General Shielding 2x2x1.0mm2	Km	2056.00	1	2056
282	Fireproof Plugging Material Sqa-9000	M3	3248.00	1	3248
283	Manufacture &Installation Of Galvanized Metal Support	Mt	960.82	0.485	466
284	Manufacture &Installation Of Non-Galvanized Metal Support	Mt	706.03	1.194	843
285	Waterproof Dustproof Anticorrosion Energy Saving Lamp	Set	97.43	210	20460
286	Non - Explosion-Proof Light - Waterproof Dustproof(Corrosion Protection)Lighting	10set	395.71	21	8310
287	Waterproof Dustproof Corrosion Protection Bolt	Set	129.90	40	5196
288	Framework Of Bridge For Cablewaterproof Dustproof Corrosion Protection Bolt Flexible Tube	10-	460.68	40	18427
289	High Efficiency Fluorescent Lamp Ac220v 2x40w Power Factor Not Less Than 0.97	Set	32.50	10	325
290	Emergency High Efficiency Fluorescent Lamp,Self-Storage Cell ；45min；Ac220v 2x40w	Set	48.80	5	244
291	Acousto-Optic Control Lamp Ac250v 100w	Set	32.50	10	325
292	Monophase Di-Polar Tri-Polar Secret Socket	-	4.83	6	29
293	Wire Bv-0.5kv/1×2.5mm2	Km	294.00	3.5	1029
294	Earthing Pole	-	29.23	35	1023
295	Ground Wire Ion Hot-Cast Copper Steel 40x4;Thickness≥250μm	Meter	8.12	1100	8931
296	Ground Wire Ion Hot-Cast Copper Steel 25x4;Thickness≥250μm	Meter	6.50	700	4547
297	Galvanized Steel Pipe	Mt	925.29	0.696	644

298	Junction Box	-	16.25	4	65
299	Flexible Tube	-	24.38	24	585
300	Special Cable For Sound Amplification,Talkback Station	Km	3247.14	0.7	2273
301	Flame Retardant Cable,System Matching Loudspeaker Cable	Km	1625.00	0.04	65
302	Factory Telecommunication Equipment Installation -Debugging &Accessory Installation Of Sound Amplification,Calling,Broadcasting System	Set	25.75	4	103
303	Coventional Type Video Camera Installation And Debugging	Set	16.00	2	32
304	Optical Fiber Cable Single Mode 2 Core	Km	974.00	1	974
305	Power Supply Cable Rvvp22-3×2.5mm2	Km	1332.00	1	1332
306	Multi-Core Cable	Km	8100.00	0.02	162
307	Installation Of Automatic Control Main Materials-Metal Support And Other-Manufacture &Installation Of Metal Support	Mt	735.54	0.121	89
308	Installation Of Automatic Control Main Materials-Instrumentation Tube -Galvanized Steel Tube	10 Meters	57.81	27	1561
309	Installation Of Automatic Control Main Materials -Instrumentation Tube - Stainless Steel Tube	10 Meters	175.00	1	175
310	Automatic Control Main Materials Installation - Instrumentation Tube -Carbon Steel Seamless Tube	10 Meters	39.71	7	278
311	Explosion Proof Flexible Tube (With Gland Cable Joint,Explosion-Separated) 1m/Each	-	24.35	20	487
312	Pair Twist,Pair Shield,Overall Shield,Flame Retardant Control Cable12x2x1.5mm2	Km	10986.00	0.5	5493
313	Pair Twist,Pair Shield,Overall Shield,Flame Retardant Control Cable2x1.5mm2	Km	909.00	1	909
314	Pair Twist,Pair Shield,Overall Shield,Flame Retardant Control Cable2x2x1.5mm2	Km	2423.00	1	2423
315	Combined Type Framework Of Bridge	Mt	1396.47	15	20947
316	Conical Surface Airtight Seal Shutoff Valve	-	42.20	20	844
317	Inside Thread Ball Valve	-	64.95	20	1299
318	Air Supply Ball Valve	-	32.50	10	325
319	Fireproof Sealant	box	406.00	1	406
320	Moistureproof Spray	box	357.00	1	357
321	Carbon Steel Pipe Laying -Process Units	Mt	903.08	11.69	10557

	&Auxiliary Facilities -Dn450				
322	Valve	-	4402.50	2	8805
323	Pipeline Coal Tar Epoxy Paint Corrosion Protection - 1 Primer 2 Finishing	10m2	26.80	30	804
324	Steel Structure	Mt	1136.50	2	2273
325	Fire-Resisting Paint - Fireproof Time ：3 Hour	10m2	171.46	24	4115
326	Stainless Steel Pipeline	Mt	6896.81	0.94	6483
327	Carbon Steel Pipeline	Mt	1627.32	57.02	92790
328	High Vacuum Multilayer Heat-Insulated Pipe Dn100/Dn200(Inner Tube/ Outer Tube)	Meter	937.91	34	31889
329	High Vacuum Multilayer Heat-Insulated Pipe Dn80/Dn200(Inner Tube/ Outer Tube)	Meter	867.25	20	17345
330	High Vacuum Multilayer Heat-Insulated Pipe Dn50/Dn150(Inner Tube/ Outer Tube)	Meter	671.44	156	104745
331	High Vacuum Multilayer Heat-Insulated Pipe Dn40/Dn150(Inner Tube/ Outer Tube)	Meter	631.65	20	12633
332	Valve	-	510.87	128	65391
333	Safety Valve	-	297.57	7	2083
334	Pipeline Insulation-Fibre Products (Pipe Wall)-Assorted Specs-Aluminium Silicate Pipe Wall	M3	162.41	5.4	877
335	Pipeline Insulation-Foam Plastic Tile - Assorted Specs-Polyurethane Foam	M3	366.18	7.6	2783
336	Installation Of Moisture Barrier &Protective Layer -Sheet Metal Nailed-Pipeline-Aluminium Sheet	10m2	59.91	25.02	1499
337	Pipeline Corrosion Protection -Other Type Paint - Organic Silicon Heat-Resistant Paint 2 Coats	10m2	28.09	150	4214
338	Pipeline Corrosion Protection -Other Type Paint - Organic Silicon Heat-Resistant Paint 2 Coats	10m2	28.09	150	4214
339	Cable Bridge Stand Corrosion Protection With Complex Ethoxyline Resin Width X Height =600x200mm；With Cover Plate	Mt	2110.93	5.4	11399
340	Power Cable8.7/10kv-3x95mm2	Km	42862.00	0.5	21431
341	Power Cable0.6/1kv-3x240mm2	Km	82340.00	4.5	370530
342	Power Cable0.6/1kv-3x50mm2	Km	17626.52	2.3	40541
343	Power Cable0.6/1kv-3x35mm2	Km	12852.27	2.2	28275
344	Power Cable0.6/1kv-3x50+1x25mm2	Km	20500.43	2.3	47151
345	Power Cable0.6/1kv-3x25+1x16mm2	Km	11530.61	3.3	38051

346	Power Cable0.6/1kv-4x10mm2	Km	5515.83	1.2	6619
347	Control Cable0.6/1kv-7x1.5mm2	Km	1935.64	3.9	7549
348	Computer Cable Paired On Screen With General Shielding6x2x1.0mm2	Km	4722.00	0.5	2361
349	Computer Cable Paired With General Shielding 2x2x1.0mm2	Km	2056.25	0.8	1645
350	Fireproof Plugging Material Sqa-9000	M3	3248.00	1	3248
351	Manufacture &Installation Of Galvanized Metal Support	Mt	960.82	0.485	466
352	Manufacture &Installation Of Non-Galvanized Metal Support	Mt	706.03	1.194	843
353	Waterproof Dustproof Anticorrosion Energy Saving Lamp	Set	97.43	210	20460
354	Waterproof Dustproof Corrosion Protection Bolt	Set	129.90	40	5196
355	Framework Of Bridge For Cablewaterproof Dustproof Corrosion Protection Bolt Flexible Tube	10no	460.68	40	18427
356	High Efficiency Fluorescent Lamp	Set	32.50	10	325
357	High Efficiency Fluorescent Lamp For Emergency	Set	48.80	5	244
358	Acousto-Optic Control Lamp	Set	32.50	10	325
359	Monophase Di-Polar Tri-Polar Secret Socket	-	4.83	6	29
360	Wire Bv-0.5kv/1×2.5mm2	Km	294.00	3.5	1029
361	Earthing Pole	No	29.23	35	1023
362	Ground Wire Ion Hot-Cast Copper Steel 40x4;Thickness≥250μm	Meter	8.12	1100	8931
363	Ground Wire Ion Hot-Cast Copper Steel 25x4;Thickness≥250μm	Meter	6.50	700	4547
364	Galvanized Steel Pipe	Mt	925.29	0.696	644
365	Pair Twist Cable Zr-Djypvr-2×2×1.5mm2	Km	2422.50	1.2	2907
366	Junction Box	-	16.25	4	65
367	Flexible Tube	No	24.33	18	438
368	Special Cable For Sound Amplification,Talkback Station	Km	3248.33	0.6	1949
369	Loudspeaker Cable	Km	1633.33	0.03	49
370	Factory Telecommunication Equipment Installation -Debugging &Accessory Installation Of Sound Amplification,Calling,Broadcasting System	Set	25.67	3	77
371	Flexible Tube	-	24.38	16	390
372	Optical Fiber Cable Single Mode 2 Core	Km	974.38	1.6	1559

373	Power Supply Cable Rvvp22-3×2.5mm2	Km	1331.25	1.6	2130
374	Multi-Core Cable	Km	8125.00	0.04	325
375	Installation Of Automatic Control Main Materials-Metal Support And Other-Manufacture &Installation Of Metal Support	Mt	733.14	0.341	250
376	Installation Of Automatic Control Main Materials-Instrumentation Tube -Galvanized Steel Tube	10 Meters	57.80	40	2312
377	Installation Of Automatic Control Main Materials -Instrumentation Tube - Stainless Steel Tube	10 Meters	174.87	15	2623
378	Automatic Control Main Materials Installation - Instrumentation Tube -Carbon Steel Seamless Tube	10 Meters	39.80	15	597
379	Explosion Proof Flexible Tube (With Gland Cable Joint,Explosion-Separated) 1m/Each	-	24.34	35	852
380	Pair Twist,Pair Shield,Overall Shield,Flame Retardant Control Cable2x1.5mm2	Km	909.33	3	2728
381	Pair Twist,Pair Shield,Overall Shield,Flame Retardant Control Cable2x2x1.5mm2	Km	2422.67	3	7268
382	Pair Twist,Pair Shield,Overall Shield,Flame Retardant Control Cable12x2x1.5mm2	Km	10987.00	1	10987
383	Combined Type Framework Of Bridge	Mt	1396.50	18	25137
384	Inside Thread Ball Valve Pn2.5mpa G1/2"(F) 316ss	-	65.00	2	130
385	Air Supply Ball Valve Pn2.5mpa G1/2"(F)-Φ8 316ss	-	32.50	10	325
386	Air Supply Dispenser	-	65.00	2	130
387	Conical Surface Airtight Seal Shutoff Valve Material Quality：316ss	-	65.00	10	650
388	Conical Surface Airtight Seal Shutoff Valve Material Quality：Carbon Steel	-	42.20	15	633
389	Fireproof Sealant	Box	406.00	2	812
390	Moistureproof Spray	Box	357.00	2	714
391	Boiler Subsection Experiment & Trial Operation Fuel Oil	Mt	814.79	2400	1955502
392	Smoke,Air, Gas Pipeline	Mt	1335.51	738.5	986273
393	Steam Turbine Other Auxiliary Machinery &Platform Stair 50t	Set	10857.50	4	43430
394	High Pressure Pipeline	T	3892.38	316	1229991
395	Mid -& Low Pressure Pipeline	T	2108.14	590	1243802
396	Boiler Furnace Brickwork	M3	199.02	8120	1616022

397	Heat Insulating Material	M3	93.86	4776	448274
398	Thermal Insulation Outer Backing Board,Galvanized Iron Sheet &Aluminum Alloy Board	T	3414.17	201.6665	688523
399	Carbon Steel Pipeline、Stainless Steel Pipeline And Valve	Mt	3895.20	5	19476
400	Generator Leader Wire	Triphase, M	2952.53	320	944811
401	Alternating Current-Direct Current Excitation Bus Bar	M	657.79	120	78935
402	All Factory Driving Slide-Wire	Meter	19.17	1200	22998
403	Equipment &Structures Lighting	Set	117.44	418	49091
404	Power Cable	Km	11581.41	150	1737211
405	Control Cable	Km	2806.71	400	1122684
406	Cable Auxiliary Facilities &Cable Fire Control	T	1101.56	784.2	863847
407	All Factory Grounding For Lightening	T	738.53	111.888	82633
408	Control Cable	Km	2564.37	410.5	1052673
409	Cable Frame &Fire Control	T	996.67	397.2	395878
410	Steel、Stainless Steel Pipe、Valve	T	4466.47	33.34	148912
411	Welded Steel Pipe (Antirusting Le Upgraded) Landfilled	Mt	866.68	31.50642	27306
412	Desulfurization Project	-	1444719.00	1	1444719
TOTAL					21903003
	15) PowerSupply &Distribution,Telecommunications				
1	10kvcable Head 3m 10kv,3x70mm2	-	453.38	80	36270
2	Fireproof Plugging Material	T	3627.03	200	725406
3	Complex Fireproof Plate	M2	1088.11	480	522292
4	Other -Metal Support-Galvanized Metal Support	Mt	966.56	73.02	70578
5	Framework Of Bridge For Cable	Mt	5077.84	150	761676
6	Power Cablezra-Yjv22-8.7/10kv/3x70mm2	Km	35011.75	4	140047
7	Power Cablezra-Yjv22-1kv/3x25+1x16mm2	Km	12009.13	8	96073
8	Power Cablezra-Yjv22-1kv/4x16mm2	Km	8666.80	5	43334
9	Control Cablezra-Kyjvp22-0.5kv/40x1.5mm2	Km	9936.25	4	39745
10	Control Cablezra-Kyjvp-0.5kv/10x2.5mm2	Km	4777.33	3	14332
11	Control Cablezra-Kyjvp-0.5kv/7x2.5mm2	Km	3390.67	3	10172
12	Control Cablezra-Kyjvp-0.5kv/4x2.5mm2	Km	2126.00	6	12756
13	Control Cablezra-Kyjvp-0.5kv/4x1.5mm2	Km	1430.60	5	7153
14	Computer Cable Zra-Djyp22-1-10x2x1.5mm2	Km	9591.50	2	19183

15	Computer Cable Zra-Djyp22-1-2x2x1.5mm2	Km	2203.50	6	13221
16	Double-Barrelled Fluorescent Lamp	Set	36.27	300	10881
17	Monotube Fluorescent Lamp	Set	36.27	150	5441
18	Waterproof Dustproof Bent Lamp	Set	235.76	200	47151
19	Shallow Flat Circular Coffered Light Panel	Set	36.27	100	3627
20	Socket	10-	27.20	10	272
21	Wire Bv-0.5kv/1x2.5mm2	Km	362.70	30	10881
22	Aluminium Alloy Wire Slot 100x50mm	Mt	5077.83	6	30467
23	Bv-500 70mm2	10 Meters	178.45	500	89225
24	Bv-500 50mm2	10 Meters	145.08	400	58032
25	Galvanized Round Steel	Mt	997.58	1.24	1237
26	Hot-Galvanized Flat Steel 40x4	10 Meters	12.57	400	5027
27	Organic Fireproof Plugging Material	T	3627.03	30	108811
28	Complex Fireproof Plate	M2	1088.11	200	217622
29	Other -Metal Support-Galvanized Metal Support	Mt	966.57	96.75	93516
30	Framework Of Bridge For Cable	Mt	5077.84	90	457006
31	Power Cablezra-Yjv-1kv/3x150+1x70mm2	Km	63466.00	2	126932
32	Power Cablezra-Yjv-1kv/3x95+1x50mm2	Km	41122.25	4	164489
33	Power Cablezra-Yjv-1kv/3x50+1x25mm2	Km	21616.33	3	64849
34	Power Cablezra-Yjv-1kv/4x16mm2	Km	8653.83	6	51923
35	Power Cablezra-Yjv-1kv/4x6mm2	Km	3523.33	1.5	5285
36	Power Cablezra-Yjv-1kv/3x25mm2	Km	10062.00	2.5	25155
37	Power Cablezra-Yjv-1kv/3x4mm2	Km	1897.44	18	34154
38	Power Cablezra-Yjv-1kv/2x6mm2	Km	1899.00	6	11394
39	Control Cablezra-Kyjv22-0.5kv/10x2.5mm2	Km	4528.33	15	67925
40	Control Cablezra-Kyjv-0.5kv-19x2.5mm2	Km	7392.29	3.5	25873
41	Control Cablezra-Kyjvp-0.5kv-4x1.5mm2	Km	1501.86	7	10513
42	Control Cablezra-Kyjvp-0.5kv-7x2.5mm2	Km	3560.20	5	17801
43	Control Cablezra-Kyjvp-0.5kv-14x1.5mm2	Km	4431.30	10	44313
44	Computer Cable Zra-Djyjpvp-0.5kv-16x2x2.5mm2	Km	21087.50	10	210875
45	Computer Cable Zra-Rvvp-2x0.75mm2	Km	3627.07	7.5	27203
46	Computer Cable Zra-Djypv22-1-1x2x1.5mm2	Km	1140.70	20	22814
47	Indoor Cold Shrunk Cable Head	-	453.38	40	18135
48	Double-Barrelled Fluorescent Lamp	Set	36.27	240	8705
49	Monotube Fluorescent Lamp	Set	36.27	200	7254

50	Waterproof Dustproof Bent Lamp	Set	235.75	60	14145
51	Waterproof Dustproof Coffered Light Panel	Set	235.76	160	37721
52	Shallow Flat Circular Coffered Light Panel	Set	36.27	100	3627
53	Socket	10-	27.20	30	816
54	Wire Bv-0.8kv/1x.2.5mm2	Km	362.71	35	12695
55	Earthing Detection Well	-	362.70	10	3627
56	Hot Galvanized Angle Steel 50x50x5	-	9.43	200	1886
57	Hot-Galvanized Flat Steel 50x6	10 Meters	23.54	1100	25893
58	Hot-Galvanized Flat Steel 40x4	10 Meters	12.57	200	2514
59	Galvanized Round Steel	Mt	997.35	2.64	2633
60	Brass &Bronze Stranded Cable 35mm2	10 Meters	72.54	150	10881
61	Brass &Bronze Stranded Cable 95mm2	10 Meters	261.15	200	52229
62	Telephone Line 2*0.5mm	Km	181.00	1	181
63	Telephone Cable	Km	1814.00	0.5	907
64	Telecommunication Line Laying-Telephone Cable (Wire)Laying	1000meter	328.67	1.5	493
65	2*1.5mm2,Pair Twist,Shield,Flame Retardant	Km	448.00	5	2240
66	3*2*1.5mm2,Pair Twist,Shield,Flame Retardant	Km	3548.00	0.5	1774
67	Special Purpose Composite Cable	Km	9067.50	6	54405
68	Telephone Line 2*0.5mm	Km	181.00	1	181
69	Telephone Cable	Km	1814.00	1	1814
70	2*1.5mm²,Pair Twist,Shield,Flame Retardant	Km	448.00	6	2688
71	3*2*1.5mm²,Pair Twist,Shield,Flame Retardant	Km	3545.00	1	3545
72	Special Purpose Composite Cable	Km	9067.50	6	54405
73	Plastic Pipeline	10 Meters	55.50	20	1110
74	Cast Iron Pipeline	10 Meters	268.97	60	16138
75	Valve	-	95.55	20	1911
76	Water Meter	-	54.40	10	544
77	Plastic Pipeline	10 Meters	140.44	155	21768
78	Cast Iron Pipeline	10 Meters	275.20	135	37152
79	Valve	-	95.55	20	1911

80	Water Meter	-	54.40	10	544
81	Turbo Type Bisect Multiple Blade Control Valve	-	1088.10	30	32643
82	Double Layer Louver Air Outlet	-	217.62	260	56582
83	Single-Layer Louver Return Air Port	-	435.23	30	13057
84	Galvanized Sheet Metal Air Pipe -Δ = 1.2 Within	M2	9.25	4000	36996
85	Pipeline Insulation-Foam Plastic Tile - Polyurethane	M3	408.95	80	32716
86	Inside Thread Ball Valve Q11f-10, Pvc, Dn50	-	21.80	10	218
87	Inside Thread Ball Valve Q11f-10, Pvc Dn40	-	18.15	20	363
88	Inside Thread Ball Valve Q11f-10, Pvc Dn20	-	9.10	10	91
89	Self-Closing Flushing Valve Copper Chrome Plating, Dn25	-	54.40	40	2176
90	Ordinary Tapdn15	10-	27.00	2	54
91	Angle Shutoff Valve Copper Chrome Plating, Dn15	-	29.90	20	598
92	Inductive Flushing Valve Copper Chrome Plating, Dn20	-	54.40	20	1088
93	Single Stem Single Orifice Tap Dn15	10-	127.00	2	254
94	Self-Closing Flushing Valve Squat Type Toilet Bowl	10set	970.25	4	3881
95	Inductive Flushing Valve Hanging Type Urinal	10set	3786.50	2	7573
96	Single Stem Single Orifice Tap On-Stand Washbasin	10set	1151.50	2	2303
97	Steel Structure	Mt	1160.54	475	551258
98	Compound Framework Of Bridge For Cable	Mt	2053.27	434.88	892926
99	Power Cablezra-Yjv22-26/35kv-3x150mm2	Km	108912.56	14.535	1583044
100	Power Cablezra-Yjv22-26/35kv-3x185mm2	Km	126766.76	0.9025	114407
101	Power Cablezra-Yjv22-8.7/10kv-3x70mm2	Km	36193.64	5.283	191211
102	Power Cablezra-Yjv22-8.7/10kv-3x120mm2	Km	56004.32	3.006	168349
103	Power Cablezra-Yjv22-8.7/10kv-3x240mm2	Km	101616.67	4.86	493857
104	Power Cablezra-Yjv22-0.6/1kv-3x240+1x120mm2	Km	102877.12	3.06	314804
105	Control Cablezra-Kyjv22-0.5kv/10x2.5mm²	Km	4458.27	8.46	37717
106	35kvcable Head 3x150mm2	Set	2678.19	32	85702
107	35kvcable Head 3x185mm2	Set	3571.00	2	7142
108	10kvcable Head 3x70mm2	Set	446.35	20	8927

109	10kvcable Head　3x120mm2	Set	535.63	16	8570
110	10kvcable Head　3x240mm2	Set	892.75	20	17855
111	35kvcable Center Coupling　3x150mm2	-	1071.27	11	11784
112	35kvcable Center Coupling　3x185mm2	-	1250.00	1	1250
113	Explosion Proof Road Lamp H=8m,Electrodeless Lamp	Set	714.18	282	201399
114	Power Cablezra-Yjv22-1kv/3x35	Km	13822.14	1.4	19351
115	Power Cablezra-Yjv22-1kv/3x16	Km	6866.50	10	68665
116	Power Cablezra-Yjv22-1kv/3x4	Km	2154.71	7	15083
117	Control Cablezra-Kyjv22-0.5kv/7x2.5	Km	3171.00	2	6342
118	Yellow Green Lead Wire　　35mm2	10 Meters	57.14	175	9999
119	Hot Galvanized Angle Steel 50x50x5	-	9.26	480	4443
120	Hot-Galvanized Flat Steel　50x6	10 Meters	23.18	500	11588
121	Hot-Galvanized Flat Steel　40x4	10 Meters	12.37	350	4331
122	Steel Structure	Mt	1279.10	30	38373
123	Optical Fiber Cable Single Mode 12core Armour	100 M	590.35	450	265657
124	Optical Fiber Cable Single Mode 24core Armour	100 M	983.92	300	295175
125	Optical Fiber Cable Single Mode 48core Armour	100 M	1771.05	60	106263
126	Telephone Cable 300*2*0.6mm,Armour	Km	32744.78	9	294703
127	Telephone Cable 200*2*0.6mm,Armour	Km	22858.33	1.2	27430
128	Telephone Cable 150*2*0.6mm,Armour	Km	18938.57	2.1	39771
129	Telephone Cable 100*2*0.6mm,Armour	Km	12625.60	7.5	94692
130	Telephone Cable 80*2*0.6mm,Armour	Km	11838.44	4.5	53273
131	Telephone Cable 50*2*0.6mm,Armour	Km	7399.00	9	66591
132	Telephone Cable 30*2*0.6mm,Armour	Km	4817.33	6	28904
133	Telephone Cable 20*2*0.6mm,Armour	Km	3558.00	1.5	5337
134	Telephone Cable 10*2*0.6mm,Armour	Km	2279.52	21	47870
135	Sound Amplification Talkback System Cable	Km	9839.17	54	531315
136	Telephone Cable	Km	712.35	60	42741
137	Polyvinyl Chloride Tube　Width X Height =100x100mm（Underground Communication Pipeline ）	Km	1180.72	18	21253
138	Galvanized Welded Steel Pipe	Mt	1082.31	65.28	70653
	TOTAL				12020002

16) Auxiliary Facilities					
1	Carbon Steel Pipeline	Mt	1899.48	1.91	3628
2	Valve	-	180.29	78	14063
3	Other -Metal Support-Galvanized Metal Support	Mt	1283.58	0.804	1032
4	Class 3 Switch	-	120.40	35	4214
5	Explosion Proof Class 3 Switch	-	120.38	8	963
6	Explosion Proof Isolation Sealed Box	-	120.40	20	2408
7	Explosion Proof Junction Box	-	120.40	20	2408
8	Zra-Yjv22-0.6/1kv-4x120＋1x70mm2	Km	91115.00	0.4	36446
9	Zra-Yjv22-0.6/1kv-4x70＋1x35mm2	Km	53186.67	0.15	7978
10	Zra-Yjv22-0.6/1kv-4x25＋1x16mm2	Km	21069.00	1	21069
11	Zra-Yjv22-0.6/1kv-4x16＋1x10mm2	Km	13858.00	0.5	6929
12	Zra-Yjv22-0.6/1kv-3x50	Km	25520.00	0.05	1276
13	Zra-Yjv22-0.6/1kv-3x35＋1x25mm2	Km	22800.00	0.05	1140
14	Zra-Yjv22-0.6/1kv-3x25＋1x16mm2	Km	16740.00	0.05	837
15	Zra-Yjv22-0.6/1kv-4x10＋1x6mm2	Km	9106.67	0.6	5464
16	Zra-Yjv22-0.6/1kv-4x6＋1x4mm2	Km	5851.67	0.6	3511
17	Zra-Yjv22-0.6/1kv-4x4＋1x2.5mm2	Km	4141.25	0.8	3313
18	Wire Bv-0.5kv-1x4mm2	Km	481.69	12.4	5973
19	Other -Metal Support-Galvanized Metal Support	Mt	1282.61	0.322	413
20	Top Suction Energy Saving Type Double-Barrelled Fluorescent Lamp	Set	48.17	300	14450
21	Explosion Proof Energy Saving Fluorescent Lamp	Set	289.00	20	5780
22	Waterproof Spray Proof Energy Saving Fluorescent Lamp	Set	289.00	10	2890
23	Waterproof Dustproof Energy Saving Fluorescent Lamp	Set	289.00	10	2890
24	Energy Saving Wall Lamp	Set	48.15	20	963
25	Conductor Bv-0.5kv-1x2.5	Km	481.56	4.5	2167
26	Other -Metal Support-Galvanized Metal Support	Mt	1277.78	0.054	69
27	Earthing Detection Well	-	481.75	4	1927
28	Isoelectric Terminal Box	-	240.80	5	1204
29	1x50	10 Meters	192.50	2	385
30	1x25	10 Meters	77.07	15	1156
31	1x10	10	48.17	30	1445

		Meters			
32	Hot Galvanized Angle Steel 50x50x5	-	12.46	24	299
33	Hot-Galvanized Flat Steel 50x6	10 Meters	31.26	100	3126
34	Hot-Galvanized Flat Steel 40x4	10 Meters	16.70	40	668
35	Zra-Yjv22-0.6/1kv-3x95+1x50	Km	56020.00	0.9	50418
36	Zra-Yjv22-0.6/1kv-4x35	Km	24895.65	0.46	11452
37	Zra-Yjv22-0.6/1kv-4x10	Km	8040.00	0.1	804
38	Zra-Yjv22-0.6/1kv-3x4	Km	2905.00	0.2	581
39	Other -Metal Support-Galvanized Metal Support	Mt	1284.23	0.482	619
40	Earthing Copper Bar	-	481.50	2	963
41	1x70	10 Meters	237.00	5	1185
42	1x25	10 Meters	77.05	20	1541
43	1x10	10 Meters	48.15	20	963
44	Hot-Galvanized Flat Steel 40x4	10 Meters	16.70	10	167
45	Organic Fireproof Plugging Material	T	4816.50	2	9633
46	Complex Fireproof Plate	㎡	1444.93	15	21674
47	Other -Metal Support-Galvanized Metal Support	Mt	1283.94	0.965	1239
48	Framework Of Bridge For Cable	Mt	6743.20	5	33716
49	Zra-Yjv22-8.7/10kv/3x70mm2	Km	48820.00	0.5	24410
50	Zra-Yjv22-0.6/1kv/3x240+1x120mm2	Km	138760.00	0.1	13876
51	Zra-Yjv22-0.6/1kv/3x120+1x70mm2	Km	71420.00	0.2	14284
52	Zra-Yjv22-0.6/1kv/3x120mm2	Km	59975.00	0.4	23990
53	Zra-Yjv22-0.6/1kv/3x95+1x50mm2	Km	56020.00	0.2	11204
54	Zra-Yjv22-0.6/1kv/3x50mm2	Km	25516.67	0.12	3062
55	Zra-Yjv22-0.6/1kv/3x25+1x16mm2	Km	16744.44	0.9	15070
56	Zra-Yjv22-0.6/1kv/3x25mm2	Km	13920.00	0.05	696
57	Zra-Yjv22-0.6/1kv/4x16mm2	Km	12084.91	0.53	6405
58	Zra-Yjv22-0.6/1kv/4x6mm2	Km	5104.00	1	5104
59	Zra-Yjv22-0.6/1kv/3x2.5mm2	Km	2032.00	2	4064
60	10kvcable Head 10kv,3x70mm2	-	722.50	4	2890
61	Top Suction Energy Saving Type Tri - Tube Fluorescent Lamp	Set	48.17	180	8670
62	Top Suction Energy Saving Type Double-	Set	48.17	180	8670

	Barrelled Fluorescent Lamp				
63	Top Suction Energy Saving Type Monotube Fluorescent Lamp	Set	48.17	100	4817
64	Waterproof Spray Proof Energy Saving Fluorescent Lamp	Set	289.00	10	2890
65	Waterproof Dustproof Energy Saving Fluorescent Lamp	Set	289.00	50	14450
66	Energy Saving Wall Lamp	Set	48.17	30	1445
67	Square Type Energy Saving Fluorescent Lamp	Set	48.17	60	2890
68	Inset-Type Emergency Marker Light	Set	120.41	22	2649
69	Bv-0.5kv-1x4	Km	481.67	3	1445
70	Bv-0.5kv-1x2.5	Km	240.83	6	1445
71	Other -Metal Support-Galvanized Metal Support	Mt	1277.78	0.054	69
72	Earthing Detection Well	-	481.75	4	1927
73	Hfdj1-50-1	-	48.18	40	1927
74	Hfdx1-50	10 Meters	144.50	50	7225
75	Hfdx1-40	10 Meters	144.50	40	5780
76	Isoelectric Terminal Box	-	240.75	4	963
77	Earthing Copper Busbar	-	481.71	7	3372
78	Earthing Copper Busbar	-	481.67	3	1445
79	1x70	10 Meters	236.95	20	4739
80	1x50	10 Meters	77.07	15	1156
81	1x10	10 Meters	36.13	15	542
82	Zra-Yjv22-0.6/1kv/4x6mm²	Km	5103.85	0.26	1327
83	Zra-Yjv22-0.6/1kv/4x4mm²	Km	3658.33	0.24	878
84	Zra-Yjv22-0.6/1kv/4x16mm²	Km	12084.62	0.26	3142
85	Zra-Yjv22-0.6/1kv/3x35mm²	Km	18646.67	0.15	2797
86	Zra-Yjv22-0.6/1kv/3x50+1x25mm²	Km	29680.77	0.52	15434
87	Zra-Yjv22-0.6/1kv/3x4mm²	Km	2908.00	0.25	727
88	Zra-Yjv22-0.6/1kv/3x185+1x95mm²	Km	107854.17	0.24	25885
89	Zra-Yjv22-0.6/1kv/3x185mm²	Km	92266.67	0.12	11072
90	Zra-Kyjv22-450/750v/7x2.5mm²	Km	4277.36	0.53	2267
91	Organic Fireproof Plugging Material	T	4816.50	2	9633
92	Other -Metal Support-Galvanized Metal	Mt	1284.00	0.5	642

	Support				
93	Monotube Energy Saving Fluorescent Lamp	Set	48.13	15	722
94	Grid Tri - Tube Energy Saving Fluorescent Lamp	Set	48.17	130	6262
95	Square Energy Saving Fluorescent Lamp	Set	48.13	15	722
96	Waterproof Dustproof Energy Saving Fluorescent Lampbent Lamp	Set	289.00	5	1445
97	Zr-Bv-0.45/0.75kv/1x2.5mm²	Km	481.56	3.2	1541
98	Earthing Detection Well	-	481.50	2	963
99	Earthing Copper Bar Length2m	Set	481.75	4	1927
100	Earthing Copper Bar Length1m	Set	481.75	4	1927
101	Hot Galvanized Angle Steel 50x50x5	-	12.50	12	150
102	Hot-Galvanized Flat Steel 50x6	10 Meters	31.25	20	625
103	Hot-Galvanized Flat Steel 40x4	10 Meters	16.71	7	117
104	Brass &Bronze Stranded Cable 10mm2	10 Meters	48.13	15	722
105	Brass &Bronze Stranded Cable 50mm2	10 Meters	192.65	20	3853
106	Brass &Bronze Stranded Cable 70mm2	10 Meters	236.96	28	6635
107	Zra-Yjv22-0.6/1kv/4x6mm²	Km	5104.76	0.42	2144
108	Zra-Yjv22-0.6/1kv/4x4mm²	Km	3657.50	0.4	1463
109	Zra-Yjv22-0.6/1kv/4x16mm²	Km	12085.71	0.42	5076
110	Zra-Yjv22-0.6/1kv/3x50+1x25mm²	Km	29679.76	0.84	24931
111	Zra-Yjv22-0.6/1kv/3x4mm²	Km	2908.00	0.25	727
112	Zra-Yjv22-0.6/1kv/3x35mm²	Km	18644.00	0.25	4661
113	Zra-Yjv22-0.6/1kv/3x185+1x95mm²	Km	107852.50	0.4	43141
114	Zra-Yjv22-0.6/1kv/3x185mm²	Km	92266.67	0.12	11072
115	Zra-Kyjv22-450/750v/7x2.5mm²	Km	4277.65	0.85	3636
116	Organic Fireproof Plugging Material	T	4816.50	2	9633
117	Other -Metal Support-Galvanized Metal Support	Mt	1284.00	0.5	642
118	Monotube Energy Saving Fluorescent Lamp	Set	48.13	15	722
119	Grid Tri - Tube Energy Saving Fluorescent Lamp	Set	48.16	140	6743
120	Square Energy Saving Fluorescent Lamp	Set	48.19	16	771
121	Waterproof Dustproof Energy Saving Fluorescent Lampbent Lamp	Set	289.00	5	1445
122	Zr-Bv-0.45/0.75kv/1x2.5mm²	Km	240.91	3.3	795

123	Earthing Detection Well	-	481.50	2	963
124	Earthing Copper Bar Length2m	Set	481.75	4	1927
125	Earthing Copper Bar Length1m	Set	481.75	4	1927
126	Hot Galvanized Angle Steel 50x50x5	-	12.50	12	150
127	Hot-Galvanized Flat Steel 50x6	10 Meters	31.25	20	625
128	Hot-Galvanized Flat Steel 40x4	10 Meters	16.75	8	134
129	Brass &Bronze Stranded Cable 10mm2	10 Meters	48.13	15	722
130	Brass &Bronze Stranded Cable 50mm2	10 Meters	192.65	20	3853
131	Brass &Bronze Stranded Cable 70mm2	10 Meters	236.96	28	6635
132	Zra-Yjv22-0.6/1kv/4x6mm²	Km	5103.57	0.28	1429
133	Zra-Yjv22-0.6/1kv/4x4mm²	Km	3657.69	0.26	951
134	Zra-Yjv22-0.6/1kv/4x16mm²	Km	12084.38	0.32	3867
135	Zra-Yjv22-0.6/1kv/3x35mm²	Km	18643.75	0.16	2983
136	Zra-Yjv22-0.6/1kv/3x95+1x50mm²	Km	56019.64	0.56	31371
137	Zra-Yjv22-0.6/1kv/3x4mm²	Km	2908.00	0.25	727
138	Zra-Yjv22-0.6/1kv/3x120+1x50mm²	Km	68090.00	0.5	34045
139	Zra-Yjv22-0.6/1kv/3x185mm²	Km	92265.00	0.4	36906
140	Zra-Kyjv22-450/750v/7x2.5mm²	Km	4276.92	0.65	2780
141	Organic Fireproof Plugging Material	T	4816.50	2	9633
142	Other -Metal Support-Galvanized Metal Support	Mt	1284.00	0.5	642
143	Monotube Energy Saving Fluorescent Lamp	Set	48.13	15	722
144	Grid Tri - Tube Energy Saving Fluorescent Lamp	Set	48.17	130	6262
145	Square Energy Saving Fluorescent Lamp	Set	48.19	16	771
146	Waterproof Dustproof Energy Saving Fluorescent Lampbent Lamp	Set	289.00	5	1445
147	Zr-Bv-0.45/0.75kv/1x2.5mm²	Km	481.71	3.5	1686
148	Earthing Detection Well	-	481.50	2	963
149	Earthing Copper Bar Length2m	Set	481.75	4	1927
150	Earthing Copper Bar Length1m	Set	481.75	4	1927
151	Hot Galvanized Angle Steel 50x50x5	-	12.50	12	150
152	Hot-Galvanized Flat Steel 50x6	10 Meters	31.24	25	781
153	Hot-Galvanized Flat Steel 40x4	10 Meters	16.75	8	134

154	Brass &Bronze Stranded Cable 10mm2	10 Meters	48.13	15	722
155	Brass &Bronze Stranded Cable 50mm2	10 Meters	192.65	20	3853
156	Brass &Bronze Stranded Cable 70mm2	10 Meters	236.96	28	6635
157	Zra-Yjv22-0.6/1kv/4x6mm²	Km	5103.03	0.33	1684
158	Zra-Yjv22-0.6/1kv/4x4mm²	Km	3658.06	0.31	1134
159	Zra-Yjv22-0.6/1kv/4x16mm²	Km	12084.85	0.99	11964
160	Zra-Yjv22-0.6/1kv/3x25mm²	Km	18643.24	0.185	3449
161	Zra-Yjv22-0.6/1kv/3x4mm²	Km	2905.00	0.2	581
162	Zra-Yjv22-0.6/1kv/3x95+1x50mm²	Km	56019.35	0.31	17366
163	Zra-Yjv22-0.6/1kv/3x50mm²	Km	25512.50	0.08	2041
164	Zra-Kyjv22-450/750v/7x2.5mm²	Km	4277.42	0.62	2652
165	Organic Fireproof Plugging Material	T	4816.50	2	9633
166	Other -Metal Support-Galvanized Metal Support	Mt	1282.50	0.4	513
167	Monotube Energy Saving Fluorescent Lamp	Set	48.20	10	482
168	Grid Tri - Tube Energy Saving Fluorescent Lamp	Set	48.17	70	3372
169	Square Energy Saving Fluorescent Lamp	Set	48.20	10	482
170	Waterproof Dustproof Energy Saving Fluorescent Lampbent Lamp	Set	289.00	5	1445
171	Zr-Bv-0.45/0.75kv/1x2.5mm²	Km	481.50	2	963
172	Earthing Detection Well	-	481.50	2	963
173	Earthing Copper Bar Length2m	Set	481.75	4	1927
174	Earthing Copper Bar Length1m	Set	481.75	4	1927
175	Hot Galvanized Angle Steel 50x50x5	-	12.50	12	150
176	Hot-Galvanized Flat Steel 50x6	10 Meters	31.27	15	469
177	Hot-Galvanized Flat Steel 40x4	10 Meters	16.80	5	84
178	Brass &Bronze Stranded Cable 10mm2	10 Meters	48.20	10	482
179	Brass &Bronze Stranded Cable 50mm2	10 Meters	192.67	15	2890
180	Brass &Bronze Stranded Cable 70mm2	10 Meters	236.95	20	4739
181	Zra-Yjv22-0.6/1kv/4x6mm²	Km	5103.57	0.28	1429
182	Zra-Yjv22-0.6/1kv/4x4mm²	Km	3657.69	0.26	951
183	Zra-Yjv22-0.6/1kv/4x16mm²	Km	12085.71	0.28	3384

184	Zra-Yjv22-0.6/1kv/3x25mm²	Km	18642.42	0.165	3076
185	Zra-Yjv22-0.6/1kv/3x25+1x16mm²	Km	16744.64	0.56	9377
186	Zra-Yjv22-0.6/1kv/3x4mm²	Km	2905.00	0.2	581
187	Zra-Yjv22-0.6/1kv/3x150+1x75mm²	Km	86130.77	0.26	22394
188	Zra-Yjv22-0.6/1kv/3x95mm²	Km	47910.00	0.1	4791
189	Zra-Kyjv22-450/750v/7x2.5mm²	Km	4276.92	0.52	2224
190	Organic Fireproof Plugging Material	T	4816.50	2	9633
191	Other -Metal Support-Galvanized Metal Support	Mt	1284.00	0.5	642
192	Monotube Energy Saving Fluorescent Lamp	Set	48.20	10	482
193	Grid Tri - Tube Energy Saving Fluorescent Lamp	Set	48.17	100	4817
194	Square Energy Saving Fluorescent Lamp	Set	48.17	12	578
195	Waterproof Dustproof Energy Saving Fluorescent Lampbent Lamp	Set	289.00	5	1445
196	Zr-Bv-0.45/0.75kv/1x2.5mm²	Km	481.60	2.5	1204
197	Earthing Detection Well	-	481.50	2	963
198	Earthing Copper Bar Length2m	Set	481.75	4	1927
199	Earthing Copper Bar Length1m	Set	481.75	4	1927
200	Hot Galvanized Angle Steel 50x50x5	-	12.50	12	150
201	Hot-Galvanized Flat Steel 50x6	10 Meters	31.25	20	625
202	Hot-Galvanized Flat Steel 40x4	10 Meters	16.83	6	101
203	Brass &Bronze Stranded Cable 10mm2	10 Meters	48.17	12	578
204	Brass &Bronze Stranded Cable 50mm2	10 Meters	192.67	18	3468
205	Brass &Bronze Stranded Cable 70mm2	10 Meters	236.96	24	5687
206	Waterproof Splashproof Socket	-	12.03	32	385
207	Explosion Proof Isolation Sealed Box Diict4	-	120.50	4	482
208	Zra-Yjv22-0.6/1kv-4x16	Km	12084.76	4.2	50756
209	Zra-Yjv22-0.6/1kv-3x16	Km	9260.71	0.28	2593
210	Zra-Yjv22-0.6/1kv-4x2.5	Km	2742.86	0.28	768
211	Zra-Kyjv22-450/750v-7x1.5	Km	2857.14	0.28	800
212	Bv-0.5kv-1x2.5	Km	240.83	6	1445
213	Bv-0.5kv-1x4	Km	481.67	3	1445
214	Aluminium Alloy Framework Of Bridge For Cable Aluminium Alloy	T	6743.17	6	40459
215	Other -Metal Support-Galvanized Metal	Mt	1284.16	0.644	827

	Support				
216	Top Suction Energy Saving Type Double-Barrelled Fluorescent Lamp	Set	48.17	240	11560
217	Explosion Proof Energy Saving Fluorescent Lamp	Set	289.00	4	1156
218	Waterproof Spray Proof Energy Saving Fluorescent Lamp	Set	240.83	24	5780
219	Waterproof Dustproof Energy Saving Fluorescent Lamp	Set	240.83	80	19266
220	Energy Saving Wall Lamp	Set	48.17	12	578
221	Bv-0.5kv-1x2.5	Km	240.83	12	2890
222	Other -Metal Support-Galvanized Metal Support	Mt	1287.04	0.108	139
223	Earthing Detection Well	-	481.63	8	3853
224	Isoelectric Terminal Box	-	240.85	20	4817
225	1x50	10 Meters	192.75	4	771
226	1x25	10 Meters	77.07	30	2312
227	1x10	10 Meters	48.17	60	2890
228	Hot Galvanized Angle Steel 50x50x5	-	12.48	48	599
229	Hot-Galvanized Flat Steel 50x6	10 Meters	31.27	60	1876
230	Hot-Galvanized Flat Steel 40x4	10 Meters	16.69	80	1335
231	Zra-Yjv22-0.6/1kv/3x25+1x16mm²	Km	16744.94	18	301409
232	Zra-Yjv22-0.6/1kv-4x16	Km	12084.67	12	145016
233	Zra-Yjv22-0.6/1kv/4x6mm²	Km	5103.61	18	91865
234	Zra-Yjv22-0.6/1kv/4x4mm²	Km	3656.53	15	54848
235	Organic Fireproof Plugging Material	T	4816.67	3	14450
236	Explosion Proof Electrodeless Lamp	Set	361.24	336	121377
237	Waterproof Dustproof Electrodeless Lamp	Set	240.83	60	14450
238	High Efficiency Energy Saving Fluorescent Lamp	Set	240.83	120	28899
239	Explosion Proof Road Lamp With 8m Upright Pole	Set	1444.97	36	52019
240	Zra-Yjv-0.6/1kv-4x6mm²	Km	4678.33	1.2	5614
241	Zra-Yjv-0.6/1kv-3x2.5mm²	Km	1693.33	3.6	6096
242	Bv-0.5kv-1x2.5	Km	240.78	9	2167
243	Earthing Detection Well	-	481.67	12	5780

244	Brass &Bronze Stranded Cable 70mm2	10 Meters	216.75	60	13005
245	Brass &Bronze Stranded Cable 25mm2	10 Meters	72.25	120	8670
246	Hot Galvanized Angle Steel 50x50x5	-	12.53	120	1503
247	Hot-Galvanized Flat Steel 50x6	10 Meters	31.26	480	15004
248	Hot-Galvanized Flat Steel 40x4	10 Meters	16.69	360	6008
249	Information Socket	Set	40.22	60	2413
250	Information Socket	Set	40.22	460	18500
251	Twisted Pair,Class 6, Non - Shield	Km	2376.49	39.52	93919
252	Power Supply Cable	Km	2400.00	0.05	120
253	Cable Tray Box	Mt	6743.00	3	20229
254	Signal Bus 2*1.0mm2,Double Stranded,Shield	Km	481.25	0.8	385
255	Power Supply Cable	Km	2408.75	0.8	1927
256	Power Supply Cable	Km	2400.00	0.05	120
257	Special Purpose Composite Cable	Km	12041.67	0.6	7225
258	2*1.5mm2,Pair Twist,Shield,Flame Retardant	Km	595.00	3	1785
259	2*2*1.5mm2,Shield, Flame Retardant	Km	3480.00	1	3480
260	Telephone Line	Km	240.00	0.05	12
261	Power Supply Cable	Km	2400.00	0.05	120
262	Coaxial Cable	Km	12042.00	0.5	6021
263	Power Supply Cable	Km	24085.00	0.2	4817
264	Information Socket	Set	40.22	120	4826
265	Information Socket	Set	40.23	30	1207
266	Twisted Pair,Class 6, Non - Shield	Km	2376.48	18.24	43347
267	Power Supply Cable	Km	2400.00	0.05	120
268	Cable Tray Box	Mt	6743.17	6	40459
269	Signal Bus	Km	481.25	0.8	385
270	Power Supply Cable	Km	2406.67	0.3	722
271	Single Mode Fiber Cable	100 M	361.20	5	1806
272	Power Supply Cable	Km	2400.00	0.05	120
273	System Cable	Km	12041.33	1.5	18062
274	Power Supply Cable	Km	2400.00	0.05	120
275	Power Supply Cable	Km	2410.00	0.2	482
276	Special Purpose Composite Cable	Km	12041.11	0.9	10837
277	Temperature Sensing Cable	Km	4335.00	0.8	3468
278	Double Twisted Wire	Km	594.75	4	2379

279	Telephone Line	Km	240.00	0.1	24
280	Power Supply Cable	Km	2410.00	0.1	241
281	Information Socket	Set	40.25	12	483
282	Twisted Pair,Class 6, Non - Shield	Km	2376.10	0.912	2167
283	3x2.5mm²,1kv,Flame Retardant, Non - Armour Copper Core	Km	2400.00	0.05	120
284	Telephone Station Cable	Km	12033.33	0.03	361
285	3x2.5mm²,1kv,Flame Retardant, Non - Armour Copper Core	Km	2400.00	0.05	120
286	Temperature Sensing Cable	Km	4335.00	0.2	867
287	2*1.5mm²,Pair Twist,Shield,Flame Retardant	Km	594.00	0.5	297
288	2*0.5mm,Flame Retardant	Km	250.00	0.02	5
289	3x2.5mm²,1kv,Flame Retardant, Non - Armour Copper Core	Km	2400.00	0.05	120
290	Power Supply Cable	Km	2400.00	0.05	120
291	Special Purpose Composite Cable	Km	12040.00	0.15	1806
292	Information Socket	Set	40.25	12	483
293	Twisted Pair,Class 6, Non - Shield	Km	2376.10	0.912	2167
294	Power Supply Cable	Km	2400.00	0.05	120
295	Telephone Station Cable	Km	12033.33	0.03	361
296	Power Supply Cable	Km	2400.00	0.05	120
297	Temperature Sensing Cable	Km	4335.00	0.2	867
298	2*1.5mm²,Pair Twist,Shield,Flame Retardant	Km	594.00	0.5	297
299	2*0.5mm,Flame Retardant	Km	250.00	0.02	5
300	3x2.5mm²,1kv,Flame Retardant, Non - Armour Copper Core	Km	2400.00	0.05	120
301	Power Supply Cable	Km	2400.00	0.05	120
302	Special Purpose Composite Cable	Km	12040.00	0.15	1806
303	Information Socket	Set	40.23	13	523
304	Twisted Pair,Class 6, Non - Shield	Km	2376.10	0.912	2167
305	3x2.5mm²,1kv,Flame Retardant, Non - Armour Copper Core	Km	2400.00	0.05	120
306	Telephone Station Cable	Km	12033.33	0.03	361
307	Power Supply Cable	Km	2400.00	0.05	120
308	Temperature Sensing Cable	Km	4350.00	0.02	87
309	2*1.5mm²,Pair Twist,Shield,Flame Retardant	Km	594.00	0.5	297
310	2*0.5mm,Flame Retardant	Km	250.00	0.02	5
311	3x2.5mm²,1kv,Flame Retardant, Non - Armour Copper Core	Km	2400.00	0.05	120
312	Power Supply Cable	Km	2400.00	0.05	120

313	Special Purpose Composite Cable	Km	12040.00	0.15	1806
314	Information Socket	Set	40.20	10	402
315	Twisted Pair,Class 6, Non - Shield	Km	2375.00	0.304	722
316	3x2.5mm²,1kv,Flame Retardant, Non - Armour Copper Core	Km	2400.00	0.05	120
317	Telephone Station Cable	Km	12033.33	0.03	361
318	3x2.5mm²,1kv,Flame Retardant, Non - Armour Copper Core	Km	2400.00	0.05	120
319	Temperature Sensing Cable	Km	4335.00	0.2	867
320	2*1.5mm²,Pair Twist,Shield,Flame Retardant	Km	594.00	0.5	297
321	2*0.5mm,Flame Retardant	Km	250.00	0.02	5
322	Power Supply Cable	Km	2400.00	0.05	120
323	Power Supply Cable	Km	2400.00	0.05	120
324	Special Purpose Composite Cable	Km	12040.00	0.15	1806
325	Information Socket　Class 6 Non - Shield	Set	40.18	11	442
326	Double Twisted Wire	Km	2375.00	0.304	722
327	3x2.5mm²,1kv,Flame Retardant, Non - Armour Copper Core	Km	2400.00	0.05	120
328	Telephone Station Cable	Km	12033.33	0.03	361
329	Power Supply Cable	Km	2400.00	0.05	120
330	Temperature Sensing Cable	Km	4335.00	0.2	867
331	2*1.5mm²,Pair Twist,Shield,Flame Retardant	Km	594.00	0.5	297
332	2*0.5mm,Flame Retardant	Km	250.00	0.02	5
333	3x2.5mm²,1kv,Flame Retardant, Non - Armour Copper Core	Km	2400.00	0.05	120
334	Power Supply Cable	Km	2400.00	0.05	120
335	Special Purpose Composite Cable	Km	12040.00	0.15	1806
336	Information Socket	Set	40.22	132	5309
337	Double Twisted Wire（Class 6 Non - Shield)	Km	2376.50	8	19012
338	Wirehrv-2x0.5	Km	233.33	0.06	14
339	Power Supply Cable	Km	2400.00	0.06	144
340	Cable Tray Box	Mt	6743.20	5	33716
341	System Cable	Km	12033.33	0.06	722
342	Temperature Sensing Cable	Km	4333.33	0.12	520
343	2*1.5mm2,Pair Twist,Shield,Flame Retardant	Km	594.88	8	4759
344	3*2*1.5mm2,Pair Twist,Shield,Flame Retardant	Km	4708.13	1.6	7533
345	Telephone Line　（2*0.5）	Km	240.00	0.1	24
346	3x2.5mm2,1kv,Flame Retardant, Non - Armour Copper Core	Km	2400.00	0.06	144

347	Special Purpose Composite Cable	Km	12041.67	1.2	14450
348	Information Socket	Set	40.21	48	1930
349	Twisted Pair,Class 6, Non - Shield	Km	2376.64	3.648	8670
350	Power Supply Cable	Km	2406.67	0.3	722
351	2*1.5mm2,Pair Twist,Shield,Flame Retardant	Km	595.00	1.8	1071
352	2*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	3479.94	18	62639
353	8*2*1.5mm2,Pair Twist,Shield,Flame Retardant,Armour	Km	10644.63	5.4	57481
354	Telephone Line	Km	240.00	0.3	72
355	Power Supply Cable	Km	2406.67	0.3	722
356	Special Purpose Composite Cable	Km	12041.46	4.8	57799
357	Cable（Rvvp-3x2.5mm2）	Km	2408.22	9	21674
358	Supporting Cable	Km	12038.89	0.18	2167
359	System Cable	Set	12041.39	7.2	86698
360	Metal Raceway 75x30mm	Meter	72.25	3600	260093
361	Installation Of Automatic Control Main Materials-Metal Support And Other-Manufacture &Installation Of Metal Support	Mt	871.92	0.203	177
362	Automatic Control Main Materials Installation - Instrumentation Tube -Carbon Steel Seamless Tube	10 Meters	59.00	48	2832
363	Instrument Cable3×1.5mm2	Km	1734.17	1.2	2081
364	Explosion Proof Cable Lead-In Device	-	24.06	16	385
365	Manufacture &Installation Of Metal Support	Mt	869.95	1.9277	1677
366	Instrument Cable1x25mm2	Km	10837.50	0.4	4335
367	Instrument Cable1x16mm2	Km	9151.25	1.6	14642
368	Instrument Cable2x4mm2	Km	2161.54	0.26	562
369	Instrument Cable2x2.5mm2	Km	1551.00	5	7755
370	Instrument Cable2x0.75mm2	Km	782.71	14	10958
371	Instrument Cable3x1.5mm2	Km	1443.33	0.3	433
372	Explosion Proof Cable Lead-In Device	-	24.00	6	144
373	Usable Earth Point Number:24-	Set	289.00	1	289
374	Usable Earth Point Number:12-	Set	144.00	1	144
375	Usable Earth Point Number:30-	Set	361.00	2	722
376	Usable Earth Point Number:24-	Set	289.00	5	1445
377	Usable Earth Point Number:12-	Set	144.00	1	144
378	Installation Of Automatic Control Main Materials-Metal Support And Other-Manufacture &Installation Of Metal Support	Mt	869.74	3.209	2791

379	Instrument Cable1x16mm2	Km	4768.23	2.77	13208
380	Instrument Cable3x2.5mm2	Km	1950.49	2.06	4018
381	Instrument Cable2x0.75mm2	Km	1085.00	0.2	217
382	Explosion Proof Cable Lead-In Device	-	24.00	4	96
383	Earthing Collection Plate	Set	722.50	12	8670
384	Installation Of Automatic Control Main Materials-Metal Support And Other-Manufacture &Installation Of Metal Support	Mt	869.77	4.085	3553
385	Instrument Cable1x16mm2	Km	4768.33	3	14305
386	Instrument Cable3x2.5mm2	Km	1950.74	2.03	3960
387	Explosion Proof Cable Lead-In Device	-	24.00	4	96
388	Earthing Collection Plate	Set	722.50	14	10115
389	Installation Of Automatic Control Main Materials-Metal Support And Other-Manufacture &Installation Of Metal Support	Mt	869.78	5.775	5023
390	Instrument Cable1x16mm2	Km	4768.24	3.4	16212
391	Instrument Cable3x2.5mm2	Km	1950.47	2.12	4135
392	Instrument Cable2x0.75mm2	Km	1082.35	0.34	368
393	Explosion Proof Cable Lead-In Device	-	24.00	4	96
394	Earthing Collection Plate	Set	722.50	18	13005
395	Installation Of Automatic Control Main Materials-Metal Support And Other-Manufacture &Installation Of Metal Support	Mt	869.59	1.687	1467
396	Instrument Cable1x16mm2	Km	4768.33	2.4	11444
397	Instrument Cable3x2.5mm2	Km	1950.74	2.03	3960
398	Instrument Cable2x0.75mm2	Km	1080.00	0.1	108
399	Explosion Proof Cable Lead-In Device	-	24.00	4	96
400	Earthing Collection Plate	Set	722.50	8	5780
401	Installation Of Automatic Control Main Materials-Metal Support And Other-Manufacture &Installation Of Metal Support	Mt	869.89	2.567	2233
402	Instrument Cable1x16mm2	Km	4768.32	2.62	12493
403	Instrument Cable3x2.5mm2	Km	1950.50	2	3901
404	Explosion Proof Cable Lead-In Device	-	24.00	4	96
405	Earthing Collection Plate	Set	722.50	10	7225
406	Installation Of Automatic Control Main Materials-Metal Support And Other-Manufacture &Installation Of Metal Support	Mt	870.17	1.656	1441
407	Automatic Control Main Materials Installation - Instrumentation Tube -Carbon Steel Seamless Tube	10 Meters	59.00	288	16993

408	Instrument Cable3×1.5mm2	Km	2059.03	7.2	14825
409	Explosion Proof Cable Lead-In Device	-	24.08	120	2890
410	Water Supply& Drainage Carbon Steel Pipeline	Mt	1295.85	18.134	23499
411	Plastic Pipeline	10 Meters	205.16	145.6	29871
412	Ductile Iron Pipe	10 Meters	651.92	12	7823
413	Pipeline Coal Tar Epoxy Paint Corrosion Protection - 1 Primer 2 Finishing	10m2	40.00	0.8	32
414	Corrosion Protection Tape	10m2	241.25	0.8	193
415	Self-Extinguishing Type Rubber Plastic Foam Wool Insulating Pipe Shell	M3	543.06	29.282	15902
416	Valve	-	40.75	657	26773
417	Water Supply& Drainage Carbon Steel Pipeline	Mt	1309.27	16.791	21984
418	Plastic Pipeline	10 Meters	169.52	21	3560
419	Valve	-	93.32	258	24076
420	Y Type Filter	-	361.00	1	361
421	Anti Corrosive Paint 2 Coats	10m2	16.75	4	67
422	Asphalt Varnish 2 Coats	10m2	13.50	4	54
423	Organic Silicon Heat-Resistant Paint 2 Coats	10m2	41.75	4	167
424	Plastic Pipeline	10 Meters	35.53	17	604
425	Ductile Iron Pipe	10 Meters	94.40	10	944
426	Valve	-	46.20	10	462
427	Water Meter	-	48.25	4	193
428	Water Supply& Drainage Carbon Steel Pipeline	Mt	1310.91	2.2	2884
429	Ductile Iron Pipe	10 Meters	676.68	25	16917
430	Plastic Pipeline	10 Meters	275.00	217.6	59840
431	Valve	-	373.65	68	25408
432	Pipeline Asphalt Felt, Asphalt Glass Cloth, Epoxy Coal Tar, Polyethylene Tape-Pipeline Coal Tar Epoxy Paint Corrosion Protection - 1 Primer 2 Finishing	10m2	39.75	8	318
433	Corrosion Protection Tape	10m2	24.13	8	193
434	Water Supply& Drainage Carbon Steel	Mt	1300.63	13.608	17699

	Pipeline				
435	Plastic Pipeline	10 Meters	96.25	51	4909
436	Valve	-	38.43	90	3459
437	Super Noise Absorption Glass Fiber Compound Air Pipe	M2	69.12	1900	131323
438	Inorganic Fiberglass Reinforced Plastics	M2	43.83	1800	78895
439	Stainless Steel Plate Δ1mm	M2	55.87	60	3352
440	Galvanized Sheet Metal Δ1mm	M2	9.39	80	751
441	Antiknock Valve	-	39736.50	2	79473
442	Antiknock Valve	-	25287.00	2	50574
443	Antiknock Valve	-	12643.50	2	25287
444	Single-Layer Louver Vent	-	271.00	2	542
445	Single-Layer Louver Vent	-	180.50	2	361
446	Single-Layer Louver Vent	-	126.50	4	506
447	Galvanized Sheet Metal Wind Pipe -Δ=1	M2	12.28	4500	55270
448	Thin Steel Plate Wind Pipe-Δ=3	M2	30.10	400	12041
449	Canvas Hose (Anti-Fire Leather)	M2	24.08	40	963
450	Foam Board -Δ= 25mm	M3	571.97	123	70352
451	Foam Warm-Keeping Pipe Casing	M3	543.02	6.3	3421
452	Turbo Type Bisect Multiple Blade Control Valve	-	722.50	2	1445
453	Closed Split Leafy Regulator	-	108.50	2	217
454	Fire Control Control Valve	-	542.00	3	1626
455	Fire Control Control Valve	-	397.33	3	1192
456	Fire Control Control Valve	-	271.00	3	813
457	All Air Supply Square Diffuser	-	144.50	40	5780
458	Single-Layer Louver Return Air Port	-	120.40	10	1204
459	Single-Layer Louver Return Air Port	-	192.67	30	5780
460	Wind Pipe Overhaul Door	-	96.25	4	385
461	Turbo Type Bisect Multiple Blade Control Valve	-	542.00	2	1084
462	Closed Split Leafy Regulator	-	108.50	2	217
463	Fire Control Control Valve	-	505.50	2	1011
464	Fire Control Control Valve	-	361.00	2	722
465	Fire Control Control Valve	-	216.50	2	433
466	All Air Supply Square Diffuser	-	144.50	28	4046
467	Single-Layer Louver Return Air Port	-	120.40	10	1204
468	Single-Layer Louver Return Air Port	-	144.47	15	2167
469	Wind Pipe Overhaul Door	-	4.75	4	19

470	Antiknock Valve	-	25287.00	2	50574
471	Electric Airtight Air Valve	-	1264.25	4	5057
472	Turbo Type Bisect Multiple Blade Control Valve	-	1083.75	4	4335
473	Closed Split Leafy Regulator	-	108.25	4	433
474	Fire Control Control Valve	-	541.88	8	4335
475	Fire Control Control Valve	-	451.50	8	3612
476	Fire Control Control Valve	-	271.00	6	1626
477	Dmp-303 Round Butterfly Valve	-	144.50	30	4335
478	Sd-301 Cyclone Air Supply Outlet	-	626.15	40	25046
479	Rr-301 Single-Layer Louver Return Air Port	-	192.65	40	7706
480	All Air Supply Square Diffuser	-	120.40	30	3612
481	Single-Layer Louver Return Air Port	-	120.39	18	2167
482	Single-Layer Louver Return Air Port	-	120.40	30	3612
483	Wind Pipe Overhaul Door	-	96.33	12	1156
484	Fan Coil	-	843.00	1	843
485	Fan Coil	-	794.73	11	8742
486	Fan Coil	-	674.25	4	2697
487	Antiknock Valve	-	12643.50	2	25287
488	Fire Control Control Valve	-	542.00	2	1084
489	Square Air Pipe Butterfly Valve	-	54.18	33	1788
490	Double Layer Louver Air Outlet	-	144.50	2	289
491	Double Layer Louver Air Outlet	-	120.40	5	602
492	Double Layer Louver Air Outlet	-	96.35	17	1638
493	Single-Layer Louver Return Air Port	-	144.43	7	1011
494	Single-Layer Louver Return Air Port	-	96.35	17	1638
495	Fixed Flashing Louver Air Port	-	361.00	2	722
496	Fan Coil	-	794.73	15	11921
497	Fan Coil	-	674.25	4	2697
498	Antiknock Valve	-	17701.00	2	35402
499	Fire Control Control Valve	-	686.50	2	1373
500	Square Air Pipe Butterfly Valve	-	54.18	33	1788
501	Double Layer Louver Air Outlet	-	144.50	2	289
502	Double Layer Louver Air Outlet	-	120.40	5	602
503	Double Layer Louver Air Outlet	-	96.35	17	1638
504	Single-Layer Louver Return Air Port	-	144.43	7	1011
505	Single-Layer Louver Return Air Port	-	96.35	17	1638
506	Fixed Flashing Louver Air Port	-	361.00	2	722
507	Fan Coil	-	794.67	6	4768

508	Fan Coil	-	674.33	9	6069
509	Fan Coil	-	650.00	2	1300
510	Epv-01 Antiknock Valve	-	17701.00	2	35402
511	Fire Control Control Valve	-	542.00	2	1084
512	Square Air Pipe Butterfly Valve	-	54.18	33	1788
513	Double Layer Louver Air Outlet	-	144.50	2	289
514	Double Layer Louver Air Outlet	-	120.40	5	602
515	Double Layer Louver Air Outlet	-	96.35	17	1638
516	Single-Layer Louver Return Air Port	-	144.43	7	1011
517	Single-Layer Louver Return Air Port	-	96.35	17	1638
518	Fixed Flashing Louver Air Port	-	361.00	2	722
519	Galvanized Sheet Metal	M2	12.28	800	9826
520	Thin Steel Plate	M2	30.10	100	3010
521	Flexible Foam Rubber And Plastic Foam Insulation Board	M3	543.09	23	12491
522	Pipe Laying –Galvanized Pipe-Dn15	10 Meters	20.00	0.5	10
523	Pipe Laying -Carbon Steel Pipeline-Dn15	10 Meters	16.00	0.5	8
524	Pipe Laying -Carbon Steel Pipeline-Dn20	10 Meters	19.00	1	19
525	J11h-16, Dn20	-	46.00	2	92
526	J11h-16, Dn15	-	39.75	4	159
527	Dn20	-	128.00	1	128
528	Antiknock Valve	-	21674.50	2	43349
529	Electric Airtight Air Valve	-	1204.00	2	2408
530	Turbo Type Bisect Multiple Blade Control Valve	-	1445.00	2	2890
531	Closed Split Leafy Regulator	-	144.50	4	578
532	Fire Control Control Valve	-	843.00	2	1686
533	Fire Control Control Valve	-	674.50	2	1349
534	Fire Control Control Valve	-	361.25	4	1445
535	All Air Supply Square Diffuser	-	144.50	50	7225
536	Single-Layer Louver Return Air Port	-	120.44	16	1927
537	Single-Layer Louver Return Air Port	-	144.50	30	4335
538	Wind Pipe Overhaul Door	-	96.25	4	385
539	Wx Type Microperforated Panel Muffler	-	2167.50	2	4335
540	Impedance Combined Type Muffler	-	1204.17	6	7225
541	Galvanized Sheet Metal	M2	12.28	900	11054
542	Thin Steel Plate	M2	30.11	150	4516

543	Flexible Foam Rubber And Plastic Foam Insulation Board	M3	543.07	27	14663
544	Pipe Laying - Galvanized Pipe -Dn15	10 Meters	20.00	0.5	10
545	Pipe Laying -Carbon Steel Pipeline-Dn15	10 Meters	16.00	0.5	8
546	Pipe Laying -Carbon Steel Pipeline-Dn20	10 Meters	19.00	1	19
547	J11h-16, Dn20	-	46.00	2	92
548	J11h-16, Dn15	-	39.75	4	159
549	Dn20	-	128.00	1	128
550	Antiknock Valve	-	21674.50	2	43349
551	Electric Airtight Air Valve	-	1204.00	2	2408
552	Turbo Type Bisect Multiple Blade Control Valve	-	1445.00	2	2890
553	Closed Split Leafy Regulator	-	144.50	2	289
554	Fire Control Control Valve	-	843.00	4	3372
555	Fire Control Control Valve	-	674.25	4	2697
556	Fire Control Control Valve	-	361.33	3	1084
557	All Air Supply Square Diffuser	-	144.50	60	8670
558	Single-Layer Louver Return Air Port	-	120.39	18	2167
559	Single-Layer Louver Return Air Port	-	144.50	30	4335
560	Wind Pipeoverhaul Door	-	96.33	6	578
561	Wx Type Microperforated Panel Muffler	-	2167.50	2	4335
562	Impedance Combined Type Muffler	-	1204.17	6	7225
563	Galvanized Sheet Metal	M2	12.28	1170	14370
564	Thin Steel Plate	M2	30.10	195	5870
565	Flexible Foam Rubber And Plastic Foam Insulation Board	M3	543.06	35	19007
566	Pipe Laying -Galvanized Pipe-Dn15	10 Meters	20.00	1	20
567	Pipe Laying -Carbon Steel Pipeline-Dn15	10 Meters	15.00	1	15
568	Pipe Laying -Carbon Steel Pipeline-Dn20	10 Meters	19.50	2	39
569	J11h-16, Dn20	-	5.50	2	11
570	J11h-16, Dn15	-	4.83	6	29
571	Dn20	-	58.00	3	174
572	Antiknock Valve	-	32511.50	2	65023
573	Electric Airtight Air Valve	-	1204.00	2	2408
574	Turbo Type Bisect Multiple Blade Control	-	1445.00	3	4335

	Valve				
575	Closed Split Leafy Regulator	-	144.33	3	433
576	Fire Control Control Valve	-	842.83	6	5057
577	Fire Control Control Valve	-	674.33	6	4046
578	Fire Control Control Valve	-	361.33	3	1084
579	All Air Supply Square Diffuser	-	144.50	60	8670
580	Single-Layer Louver Return Air Port	-	120.39	18	2167
581	Single-Layer Louver Return Air Port	-	144.50	40	5780
582	Wind Pipeoverhaul Door	-	96.38	8	771
583	Wx Type Microperforated Panel Muffler	-	2167.33	3	6502
584	Impedance Combined Type Muffler	-	1204.17	6	7225
585	Galvanized Sheet Metal	M2	12.28	560	6878
586	Thin Steel Plate	M2	30.10	70	2107
587	Flexible Foam Rubber And Plastic Foam Insulation Board	M3	543.06	16	8689
588	Pipe Laying -Galvanized Pipe-Dn15	10 Meters	20.00	0.5	10
589	Pipe Laying -Carbon Steel Pipeline-Dn15	10 Meters	16.00	0.5	8
590	Pipe Laying -Carbon Steel Pipeline-Dn20	10 Meters	19.00	1	19
591	J11h-16, Dn20	-	46.00	2	92
592	J11h-16, Dn15	-	39.75	4	159
593	Dn20	-	128.00	1	128
594	Antiknock Valve	-	13004.50	2	26009
595	Electric Airtight Air Valve	-	963.50	2	1927
596	Turbo Type Bisect Multiple Blade Control Valve	-	843.00	2	1686
597	Closed Split Leafy Regulator	-	144.50	2	289
598	Fire Control Control Valve	-	722.50	2	1445
599	Fire Control Control Valve	-	481.50	2	963
600	Fire Control Control Valve	-	289.00	2	578
601	All Air Supply Square Diffuser	-	144.50	28	4046
602	Single-Layer Louver Return Air Port	-	120.40	10	1204
603	Single-Layer Louver Return Air Port	-	144.47	15	2167
604	Wind Pipeoverhaul Door	-	96.25	4	385
605	Wx Type Microperforated Panel Muffler	-	1686.00	2	3372
606	Impedance Combined Type Muffler	-	1204.25	4	4817
607	Galvanized Sheet Metal	M2	12.28	720	8843
608	Thin Steel Plate	M2	30.10	80	2408

609	Flexible Foam Rubber And Plastic Foam Insulation Board	M3	543.05	20	10861
610	Galvanized Pipe	10 Meters	18.50	2	37
611	J11h-16, Dn20	-	46.00	2	92
612	J11h-16, Dn15	-	39.75	4	159
613	Dn20	-	128.00	1	128
614	Antiknock Valve	-	17339.50	2	34679
615	Electric Airtight Air Valve	-	1204.00	2	2408
616	Turbo Type Bisect Multiple Blade Control Valve	-	1324.50	2	2649
617	Closed Split Leafy Regulator	-	144.50	4	578
618	Fire Control Control Valve	-	843.00	2	1686
619	Fire Control Control Valve	-	674.50	2	1349
620	Fire Control Control Valve	-	361.33	3	1084
621	All Air Supply Square Diffuser	-	144.50	40	5780
622	Single-Layer Louver Return Air Port	-	120.40	15	1806
623	Single-Layer Louver Return Air Port	-	144.50	20	2890
624	Wind Pipeoverhaul Door	-	96.25	4	385
625	Wx Type Microperforated Panel Muffler	-	2167.50	2	4335
626	Impedance Combined Type Muffler	-	1204.25	4	4817
627	Carbon Steel Pipeline	10 Meters	35.16	77.4	2721
628	Galvanized Sheet Metal Δ1.0 Mm	M2	12.28	660	8106
629	Flexible Foam Rubber And Plastic Foam Insulation Board	M3	543.06	18	9775
630	Flexible Foam Rubber And Plastic Foam Insulation Pipe Shell	M3	543.07	1.486	807
631	Dn80	-	227.25	4	909
632	Dn50	-	147.88	24	3549
633	Inside Threadshutoff Valve J11h-16,Dn20	-	46.24	220	10173
634	Automatic Air Valve Zp-Ii,Dn20	-	72.25	16	1156
635	Fan Coil	-	1204.25	4	4817
636	Fan Coil	-	1083.75	8	8670
637	Fan Coil	-	963.50	2	1927
638	Fan Coil	-	915.14	36	32945
639	Fan Coil	-	842.88	16	13486
640	Fire Control Control Valve	-	915.25	4	3661
641	Square Air Pipe Butterfly Valve	-	72.24	66	4768
642	Impedance Combined Type Muffler	-	1926.50	4	7706

643	Double Layer Louver Air Outlet	-	144.50	4	578
644	Double Layer Louver Air Outlet	-	120.40	10	1204
645	Double Layer Louver Air Outlet	-	96.33	118	11367
646	Single-Layer Louver Return Air Port	-	144.50	14	2023
647	Single-Layer Louver Return Air Port	-	96.33	52	5009
648	Fixed Flashing Louver Air Port	-	481.75	4	1927
649	Fire Hydrant Cabinet (Wooden)	-	36.00	4	144
650	Tap	10-	21.67	0.6	13
651	Angle Shutoff Valve Dn15	-	39.75	4	159
652	Inductive Flushing Valve Dn25	-	72.25	16	1156
653	Inductive Flushing Valve Dn15	-	72.17	6	433
654	Piston Type Relief Valve	-	98.00	2	196
655	Pressure Gauge Y-600-2kg/Cm2	-	96.50	2	193
656	Basin With Trim	10set	1530.00	0.4	612
657	Self-Closing Flushing Valve Squat Type Toilet Bowl	10set	1288.75	0.8	1031
658	Inductive Flushing Valve Hanging Type Urinal	10set	5030.00	0.3	1509
659	Electric Water Heater 50l	-	722.50	6	4335
660	Preact Alarm Valve Dn100	Set	4817.00	1	4817
661	Automatic Water Spraying Spray Nozzle	10-	72.25	40	2890
662	Current Indicator	-	72.00	2	144
663	Toilet Bowl Squat Type Self-Closing Rinsing	10set	1288.13	1.6	2061
664	Urinal Spreader Hanging Type Inductive Automatic Rinsing	10set	5028.75	0.8	4023
665	Washbasin Steel Pipe Composition Cool Hot Water	10set	1529.17	1.2	1835
666	Ordinary Tap Dn15	10-	35.00	0.4	14
667	Single Stem Single Orifice Tap Dn15	10-	168.33	1.2	202
668	Pipe Laying -Carbon Steel Pipeline-Dn100	10 Meters	172.67	3	518
669	Pipe Laying -Carbon Steel Pipeline-Dn65	10 Meters	95.00	0.6	57
670	Butterfly Valve D41x-25,Dn100	-	547.00	2	1094
671	Gas Mask (Whole Mask,With Toxin Filter Box)	Set	602.07	59	35522
672	Fire Control Helmet	-	24.08	59	1421
673	Wear Type Explosion Proof Lamp	Set	108.38	56	6069
674	Fire Control Waistband	-	12.03	59	710
675	Fire Fighting Protective Clothing	Set	211.93	59	12504
676	Fire Control Glove	-	12.04	94	1132

677	Fire Fighting Protection Boot	Pair	48.17	59	2842
678	Fire Control Light-Duty Safety Rope	-	24.08	59	1421
679	Safty Goggles	-	24.08	59	1421
680	Electrostatic Prevention Clothing （Overalls,Glove,Boot)	Set	240.80	10	2408
681	Insulated Wear （Overalls,Glove,Boot)	Set	1252.30	10	12523
682	Chemical Protective Clothing (Acid Proof Caustic Corrosion Proof)	Set	1565.40	10	15654
683	Insulation Protective Clothing	Set	132.50	10	1325
684	Fire Fighting Protective Clothing	Set	1324.50	10	13245
685	Exposure Suit	Set	1300.50	10	13005
686	Self-Closing Flushing Valve Squat Type Toilet Bowl	Set	128.83	24	3092
687	Inductive Flushing Valve Hanging Type Urinal	Set	502.88	8	4023
688	Single Stem Single Orifice Tap On-Stand Washbasin	Set	152.94	31	4741
689	Self-Closing Flushing Valve Dn25	-	18.29	24	439
690	Ordinary Tap	10-	35.00	0.2	7
691	Angle Shutoff Valve Dn15	-	39.74	31	1232
692	Inductive Flushing Valve Dn20	-	152.88	8	1223
693	Single Stem Single Orifice Tap Dn15	10-	168.71	3.1	523
694	Indoor Fire Hydrant Snw65-Iii-H Type	-	602.00	4	2408
695	Butterfly Valve D41x-25 Dn100	-	361.25	4	1445
696	Self-Closing Flushing Valve Squat Type Toilet Bowl	Set	128.75	4	515
697	Inductive Flushing Valve Hanging Type Urinal	Set	503.00	2	1006
698	Single Stem Single Orifice Tap On-Stand Washbasin	Set	153.00	2	306
699	Electrostatic Prevention Overalls	Set	144.50	6	867
700	Acid-&Alkali- Proof Glove	Pair	24.00	6	144
701	Electrostatic Prevention Oil-Proof Footware	Pair	72.17	6	433
702	Safety Helmet	-	72.17	6	433
703	Safty Goggles	-	24.00	4	96
704	Ear Shield	-	24.00	4	96
705	Acid &Alkali Proof Glove	Pair	24.00	4	96
706	Acid & Alkali Proof Oil-Proof Footware	Pair	72.25	4	289
707	Acid &Alkali Proof Mask	-	144.50	4	578
708	Acid &Alkali Proof Overalls	Set	481.75	4	1927
709	Triple-Pole Air Switch 20a	-	24.08	12	289
710	Triple-Pole Air Switch 16a	-	24.07	28	674

711	Dipole Air Switch 20a	-	24.08	36	867
712	Airtight Type Combined Switch Hz10m-3 380v	-	48.25	4	193
713	Slot Type Cable Bridge Framework	Mt	2167.50	4	8670
714	Yjv22-1kv/4x70+1x35mm?	Km	47799.19	1.24	59271
715	Yjv22-1kv/4x25+1x16mm?	Km	18955.11	1.76	33361
716	Yjv22-1kv/4x4mm?	Km	3053.67	3	9161
717	Wire Bv-0.5kv/1x4mm2	Km	3612.04	1.08	3901
718	Double-Barrelled Fluorescent Lamp	Set	48.17	1000	48165
719	Waterproof Fluorescent Lamp	Set	48.18	40	1927
720	Water&Dust Proof Lamp	Set	48.16	32	1541
721	Waterproof Dustproof Bent Lamp	Set	48.18	40	1927
722	Square Coffered Light Panel	Set	24.09	116	2794
723	Shallow Flat Circular Coffered Light Panel	Set	24.09	32	771
724	Copperplating Steel Earthing Pole ?20x2.5b L=2.5m	-	74.67	48	3584
725	Copperplating Steel Earthing Stranded Cable 120mm2	Meter	15.65	2280	35691
726	Copperplating Steel Earthing Stranded Cable 70mm2	Meter	10.36	920	9527
727	Round Steel	Meter	14.45	2200	31789
728	Exothermic Thermoweld Mould ?20/120mm2t	Set	553.88	16	8862
729	Exothermic Welding Powder 150#	-	45.76	160	7321
TOTAL					5509979
Grand Total for Refinery Materials		291569107			

Materials Required For The Jetty

No.	Material	Unit	Quantity	Price (USD)	Total (USD)
1	Saw Pipe Dn800 Cs	T	6	1689.96	10139.76
2	Saw Pipe Dn600 Cs	10m	7.2	1438.10	10354.32
3	Seamless Pipe Dn150 Cs	T	0.672	1428.21	959.76
4	Seamless Pipe Dn80 Cs	T	0.12	1428.00	171.36
5	Seamless Steel Pipe Dn40 Cs	T	0.12	1428.00	171.36
6	Seamless Pipe Dn25 Cs	T	0.018	1440.00	25.92
7	150lb Dn80 Cs	Ea.	9.6	211.10	2026.56
8	150lb Dn150 Cs	Ea.	19.2	4222.20	81066.24
9	150lb Dn80 Cs	Ea.	12	141.12	1693.44
10	150lb Dn25 Cs	Ea.	14.4	111.13	1600.32
11	150lb Dn40 Cs	Ea.	14.4	141.13	2032.32
12	150lb Dn80 Cs	Ea.	14.4	243.33	3504
13	Quick Acting Coupling Dn80	Ea.	9.6	466.70	4480.32
14	Filer Dn150 150lb	Set	2.4	333.20	799.68
15	Metal House Pn1.6mpa Dn80 L=12m 316	Ea.	2.4	2666.80	6400.32
16	Catwalk (Steel)	T	7.2	1488.08	10714.2
17	Saw Pipe Dn400 Cs	T	7.02	1428.62	10028.88
18	Seamless Pipe Dn200 Ss	T	0.96	1428.75	1371.6
19	Seamless Steel Tube Dn100 Cs	T	0.5184	1429.17	740.88
20	Seamless Pipe Dn80 Cs	T	0.336	1429.29	480.24
21	Seamless Pipe Dn25 Cs	T	0.018	1440.00	25.92
22	Ball Valve 150lb Dn400 Cs	Ea.	4.8	32666.60	156799.68
23	Gate Valve 150lb Dn400 Cs	Ea.	8.4	21822.17	183306.24
24	Ball Valve 150lb Dn200 Ss	Ea.	1.2	9333.60	11200.32
25	Gate Valve 150lb Dn200 Ss	Ea.	1.2	7777.60	9333.12
26	150lb Dn80 Cs	Ea.	7.2	211.07	1519.68
27	150lb Dn80 Cs	Ea.	7.2	238.93	1720.32
28	150lb Dn100 Cs	Ea.	1.2	348.00	417.6
29	150lb Dn25 Cs	Ea.	2.4	111.20	266.88
30	150lb Dn80 Cs	Ea.	7.2	243.33	1752

31	Quick Coupler Dn80	Ea.	6	466.72	2800.32
32	Filter Dn100 1.6mpa Cs	Set	1.2	1111.20	1333.44
33	Metal Hose Pn1.6mpa Dn80 L=12m 316	Ea.	2.4	2666.80	6400.32
34	Catwalk	T	3.6	1488.17	5357.4
35	Saw Pipe Dn350 Cs	T	16.476	1428.55	23536.8
36	Seamless Pipe Dn100 Cs	Mt	0.5184	1429.17	740.88
37	Seamless Pipe Dn80 Cs	T	0.336	1429.29	480.24
38	Seamless Pipe Dn25 Cs	T	0.018	1440.00	25.92
39	Ball Valve 150lb Dn350 Cs	Ea.	3.6	24222.13	87199.68
40	Gate Valve 150lb Dn350 Cs	Ea.	3.6	17333.33	62400
41	150lb Dn80 Cs	Ea.	7.2	211.07	1519.68
42	150lb Dn80 Cs	Ea.	7.2	238.93	1720.32
43	150lb Dn100 Cs	Ea.	1.2	348.00	417.6
44	150lb Dn25 Cs	Ea.	2.4	111.20	266.88
45	150lb Dn80 Cs	Ea.	7.2	243.33	1752
46	Quick Coupler Dn80	Ea.	6	466.72	2800.32
47	Filter Dn100 1.6mpa Cs	Set	1.2	1111.20	1333.44
48	Metal Hose Pn1.6mpa Dn80 L=12m 316	Ea.	2.4	2666.80	6400.32
49	Catwalk	T	3.6	1488.17	5357.4
50	Saw Pipe Dn350 Cs	T	16.476	1428.55	23536.8
51	Seamless Pipe Dn300 Cs	T	18.6	1424.90	26503.2
52	Seamless Pipe Dn100 Cs	T	0.5184	1429.17	740.88
53	Seamless Pipe Dn80 Cs	T	0.336	1429.29	480.24
54	Seamless Pipe Dn25 Cs	T	0.018	1440.00	25.92
55	Ball Valve 150lb Dn350 Cs	Ea.	3.6	24222.13	87199.68
56	Gate Valve 150lb Dn350 Cs	Ea.	3.6	17333.33	62400
57	Ball Vave 300lb Dn300 Cs	Ea.	7.2	16044.40	115519.68
58	150lb Dn80 Cs	Ea.	7.2	211.07	1519.68
59	150lb Dn80 Cs	Ea.	7.2	238.93	1720.32
60	150lb Dn100 Cs	Ea.	1.2	348.00	417.6
61	150lb Dn25 Cs	Ea.	2.4	111.20	266.88
62	150lb Dn80 Cs	Ea.	7.2	243.33	1752

63	Quick Coupler Dn80	Ea.	6	466.72	2800.32
64	Filter Dn100 1.6mpa Cs	Set	1.2	1111.20	1333.44
65	Metal Hose Pn1.6mpa Dn80 L=12m 316	Ea.	2.4	2666.80	6400.32
66	Catwalk	T	3.6	1488.17	5357.4
67	Manometer 0~2.5mpa	Ea.	4.8	35.60	170.88
68	Thermometer (0~200)	Ea.	4.8	44.40	213.12
69	Saw Pipe Dn1000 Cs	T	662.4	1547.62	1025143.2
70	Saw Pipe Dn600 Cs	T	951.6	1429.08	1359908.64
71	Saw Pipe Dn500 Cs	T	480	1429.07	685954.08
72	Seamless Pipe Dn300 Cs	T	317.28	1428.39	453198.96
73	Seamless Pipe Dn200 Ss	T	105.72	1428.93	151066.08
74	Seamless Pipe Dn150 Cs	T	115.7328	1428.57	165332.88
75	Seamless Pipe Dn100 Cs	T	45.9648	1428.57	65664
76	Seamless Pipe Dn80 Cs	T	0.33768	1428.57	482.4
77	Seamless Pipe Dn25 Cs	T	0.018	1440.00	25.92
78	Ball Valve 150lb Dn1000 Cs	Ea.	2.4	64222.40	154133.76
79	Ball Valve 150lb Dn600 Cs	Ea.	6	45333.28	271999.68
80	Ball Valve 150lb Dn500 Cs	Ea.	4.8	40888.80	196266.24
81	Ball Valve 300lb Dn300 Cs	Ea.	2.4	16044.40	38506.56
82	Ball Valve 150lb Dn200 Ss	Ea.	1.2	10488.80	12586.56
83	Ball Valve 300lb Dn150 Cs	Ea.	2.4	4666.80	11200.32
84	150lb Dn80 Cs	Ea.	7.2	238.93	1720.32
85	150lb Dn100 Cs	Ea.	1.2	348.00	417.6
86	150lb Dn25 Cs	Ea.	2.4	111.20	266.88
87	150lb Dn80 Cs	Ea.	7.2	243.33	1752
88	Catwalk	T	3.6	1488.17	5357.4
89	Steel pipe pile	t	18662.4	1258.06	23478503.23
Total					**29144818.55**

Auxiliary Raw Material For Production

Product name	Model or specification	Annual consumption (t)	Price (usd)	Total （usd）	Remarks
1) FCC unit					
Catalyst		1400	2857.14	4000000.00	
CO Combustion improver	pt:0.05%	3.5	26063.49	91222.22	
Scale inhibitor		13	2507.94	32603.17	
Passivator		18	2952.38	53142.86	
30% caustic solution		4225	134.92	570039.68	
	Total			4747007.94	
2) Reforming Unit					
Reforming catalyst	PS-VI Or equivalent	2.3t	44444.44	102222.22	
Tetrachloroethylene	For industrial use	20.2	3492.06	70539.68	
Corrosion inhibitor	SF-121D	2.4	5714.29	13714.29	
	Total			186476.19	
3) FCC gasoline hydrotreating unit					
Protective agent	RGO-3	10.4	16666.67	173333.33	Lifespan 3 years for one loading
Catalyst	RSDS-21	9.37	26190.48	245404.76	Regeneration period 3 years, total lifespan 8 years, for one loading
	RSDS-22	1.77	293650.79	519761.90	Regeneration period 3 years, total lifespan 8 years, for one loading
Ceramic ball	Φ3、Φ6、Φ13	10.2	1269.84	12952.38	Lifespan 3 years for one loading

Vulcanizator	DMDS	5	3968.25	19841.27	One dose for commencement of operation
Corrosion inhibitor		10	4523.81	45238.10	Annual consumption
	Total			1016531.75	
4) FCC diesel hydrotreating unit					
Protective agent	RG-1	5	17460.32	87301.59	Lifespan 3 years for one loading
Catalyst	RS-2000	166.5	19841.27	3303571.43	Regeneration period 3 years, total lifespan 9 years, for one loading
Ceramic ball		32	1269.84	40634.92	Lifespan 3 years for one loading
Corrosion inhibitor		18	4523.81	81428.57	Annual consumption
inhibitor for scale & corrosion		10	4523.81	45238.10	Annual consumption
Scale inhibitor		150	2539.68	380952.38	Annual consumption
DMDS		40	3968.25	158730.16	One dose for commencement of operation
	Total			4097857.14	
5) Jet fuel hydrotreating unit					
Catalyst	RSS-2	12	21428.57	257142.86	One loading
Protective agent	RGO-1	1.2	20000.00	24000.00	One loading
Ceramic ball	Φ3、Φ6、Φ13	5.1	1269.84	6476.19	One loading
Corrosion inhibitor		5.6	4523.81	25333.33	Annual consumption
DMDS		2.5	3968.25	9920.63	One loading
Antistatic agent		1	21746.03	21746.03	Annual consumption

Antioxidant		15	4761.90	71428.57	
Antiwear additive		15	2857.14	42857.14	
	Total			458904.76	One loading
Grand Total for Production Auxiliary Materials			10506777.78		

List of Locally Purchased Materials for Construction Period

No.	Material	Unit	Quantity	Price (USD)	Total (USD)
1	concrete	m3	226291	250.00	56572750
2	rock	m3	2001449	10.00	20014490
3	steel	t	16485.34	967.74	15953522.93
Total					92540762.93

1. Preliminary Financing Plan

1.1. Financing Objective

The objective of this financing plan is to create the lowest cost financing structure and shorter timing to achieve financial close. Project financial advisor will use their combined experience of developing and financing infrastructure projects globally, knowledge of the local and international financing market to offer a funding solution that will develop an optimized the financing structure for this project.

The key objectives include:

- Competitive financing pricing terms such as margin, tenor and cover ratios;
- Maximize low cost financing from Chinese Policy-oriented banks and complemented with PRC / international commercial banks;
- Explore strategic equity investors to enhance the project competitiveness;
- Evaluate if ordinary shares, preference shares or shareholder loans are the most tax efficient ways to inject equity into the project;
- Conduct funding competition to obtain a competitive financing plan with maximum possible underwriting;
- Careful selection of banking group that is well-established in Asia and has strong refinery experience in region;
- Develop a robust and proven hedging plan to mitigate interest rate and foreign exchange risk;
- A clear approach to achieve financial close.

1.2. Funding Competition

Financial advisor will run a funding competition between lenders in order to secure the most competitive funding package.

The financial institutions will be short listed based on the following criteria:

- Preliminary terms and conditions provided;
- Myanmar and project finance credentials;
- Relationship with project company

The funding competition should result in competitive bids. Project company and financial advisor will ask the most competitive bank to improve its terms further to create the most competitive financing plan.

1.3. Sources of Fund

Loan gearing level in financing plan is currently restricted by the cash flow available for debt service which is estimated in the financial model. It needs further review and study later. According to the feasibility report, sources of fund estimated under the base case in the financial model are summarized as follow:

Sources	USD'million	%
Loan from bank	2082	80%
Equity	521	20%
Total	2603	100%

The total project cost is USD2.603 billion under the financial model of feasibility report. According to the table above, the financing structure of this project is 20% in equity and 80% in debt, with the bank loan financing of USD2.082 billion. Project company plans to obtain bank loan from China Exim, CDB or other commercial banks, and purchase overseas investment insurance from Sinosure.

1.4. Introduction of Bank Loan Financing Structure

1.4.1. Preliminary feedback from Sinosure

Sinosure will provide political risk insurance for the bank loan of this project. Project company has already initiated formal communications with Sinosure on the underwriting requirements for the insurance program.

Preliminary feedback from Sinosure on key financing terms is summarized as follow:

Applicable Insurance Products:	Overseas Investment Insurance
Insured Amount:	• Loan principal and interest • No mandatory cap is set for the insured amount of projects in Myanmar, dependent on different condition
Tenors:	• Depends on bank loan tenor (generally could cover the whole loan tenor)
Risk Coverage:	• Political Risk: war, exchange, confiscation • Default Risk: depends on commercial and contractual structure (conditions will be better if support is granted from Government of Myanmar)

Loss ratio:	Up to 95% of insured amount
Other requirement:	Guangdong Zhenrong remains as a majority shareholder in the project company

1.4.2. Preliminary Feedback from Banks

PRC banks may become the main source of funding. With the supports from Chinese Government's policies to stimulate economic growth and to encourage outbound investments, the PRC banks have become very active in the area of project financing.

Project company has already approached some of the major PRC banks, including CDB and China Exim, regarding the provision of bank loan for the project. So far, CDB has issued a Letter of Intent for financing the project. Currently, Project company is having further discussions with the banks about the key terms of funding.

Preliminary feedback from PRC banks on key financing terms is summarized as follow:

	CDB Guangdong Branch	**China Exim Guangdong Branch**
Gearing Ratio	Up to the gearing ratio approved by the National Development and Reform Commission, depending on the needs of the project	
Loan Amount	• No mandatory cap is set for a single loan • Total loan amount is dependent on the sponsor's need and the bankability of the project	
Tenor	Normally not exceed 5 years	
Grace Period	Construction period and commissioning	It is flexible, but normally does not exceed one third of the loan tenor
Debt Service Coverage Ratio	• Normally not lower than 1.3 times, depending on specific country, industry and projects.	
Debt Service Reserve Account	• Normally not less than the estimated principal repayment and interest expense for next 6 months	• At least the estimated principal repayment and interest expense for next period
Completion Risk	• Require shareholders to provide guarantees during construction period	
Political Risk	• Require Sinosure to provide guarantee to cover political risks • Require shareholders to guarantee the 5% shortfall for any loss that Sinosure cannot cover.	
Due Diligence	• legal due diligence by independent lawyers from bank • Technical, accounting and tax advisors	• Mainly requires legal and technical due diligence

	can access the investigation report issued by the advisors to the project owner	
Spreads	• Depending on market conditions and project's credit risk profile	• Depending on market rates
Approval Process	• Assessed and approved jointly by the head office and branch	• Assessed and evaluated first by the branch. Then the branch is to report the case to the head office for final approval. • For projects that have well-established structure and complete application documents, the approval process is normally around [2-3] months.
Other Feedbacks	Current main focus: • Sources of fund for the Project • Commercial and guarantee structure for the Project	Current main focus: • Sources of fund for the project • Project’s ability to construct, operate and maintain the project, and the related commercial structure

广东控股……公司
缅甸

150144272-001 1/1 ②
缅甸 E D C
2015/06/18

公 证 书

中华人民共和国广东省广州市白云公证处
Baiyun Notary Public Office, Guangzhou City, Guangdong Province, P. R. China

国家开发银行

开行函〔2014〕412号

国家开发银行关于承诺广东振戎能源有限公司缅甸500万吨炼油项目贷款的函

广东振戎能源有限公司：

经研究，开发银行原则同意为广东振戎能源有限公司缅甸500万吨炼油项目提供不超过230400万美元的中长期贷款，具体项目贷款尚需以该项目符合开发银行发放贷款的各项条件并且经开发银行贷款审批程序批准为前提。

此函件仅代表开发银行对该项目提供贷款的原则意见，仅限借款人于该项目核准（审批）时向国家有关部门说明贷款落实情况使用，不得作为信用证件使用。

本承诺函有效期12个月，自出具日始。

国家开发银行股份有限公司

2014年9月17日

CHINA DEVELOPMENT BANK

KHH〔2014〕412

Loan Commitment Letter for Guangdong Zhenrong Energy Co., Ltd. on 5 Million Tones Refinery Project in Myanmar

(Translation)

To: Guangdong Zhenrong Energy Co., Ltd.

Upon research, in principle, we hereby agree to offer a medium and long-term loan less than USD $ 2,304,000,000 on your 5 Million Tones Refinery Project in Myanmar. We also kindly inform that we shall approve the loan on the premise of we found that your refinery project is eligible for loan and shall under the regular approval procedure of this bank.

This commitment letter only defines our principal opinion on your loan for the refinery project. Furthermore, this commitment letter shall have the only purpose for you to declare the banking loan on the project to the government authority for project approval and it shall not be regarded as a Letter of Credit.

The commitment letter shall be valid for 12 months upon issuing.

China Development Bank Corporation (Official seal)

September 17, 2014

公 证 书

(2015)粤广白云第3566号

申请人：广东振戎能源有限公司,营业执照注册号：440000000053809，住所：广州市天河区珠江新城华夏路8号合景国际金融广场第35层，法定代表人：熊韶辉，男，于一九六六年六月一日出生，公民身份号码：440111196606010355，住北京市。

委托代理人：刘熠，女，于一九八九年四月三日出生，公民身份号码：500234198904030026，住广州市。

公证事项：影印本与原本相符

兹证明前面的影印本与广东振戎能源有限公司的委托代理人刘熠出示给本公证员的《国家开发银行关于承诺广东振戎能源有限公司缅甸500万吨炼油项目贷款的函》的原本相符。前面的影印本所附的英文译本内容与中文原本内容相符。

中华人民共和国广东省广州市白云公证处

公证员：林志辉

广东省广州市白云公证处

二〇一五年四月十七日

I I62645282

NOTARIAL CERTIFICATE

(2015)YGBY,No.3566

Applicant:GUANGDONG ZHEN RONG ENERGY CO., LTD, Registered No.: 440000000053809, Address: 35 Floor, Hejing International Finance Place, No.8 Huaxia Road, Zhujiang New Town, Tianhe District, Guangzhou City.

Legal Representative: XIONG SHAOHUI, male, born on June 1,1966, ID.No.: 440111196606010355, now residing in Beijing City.

Authorized Agent: LIU YI, female, born on April 3,1989, ID.No.:500234198904030026, now residing in Guangzhou City.

Issue under notarization: true and exact copy

This is to certify that the foregoing copy conforms to the original Loan Commitment Letter for Guangdong Zhenrong Energy Co., Ltd. on 5 Million Tones Refinery Project in Myanmar showed by LIU YI (Authorized Agent of GUANGDONG ZHEN RONG ENERGY CO., LTD) to me, the notary public, and that the attached English translation of the copy conforms to the original document in Chinese.

Notary: LIN ZHIHUI

Baiyun Notary Public Office

Guangzhou City, Guangdong Province

The People's Republic of China

April 17, 2015

I I 62645283

认字第150144272-001号

兹证明前面文书上公证处的印章和公证员**林志辉**的签名（印章）属实。

中华人民共和国外交部
领事司 一等秘书
二〇一五年五月六日

中华人民共和国外交部领事司

4393831

EMBASSY OF THE REPUBLIC OF THE UNION OF MYANMAR
BEIJING

Legalization No. 335

This is to certify the genuine seal of the Ministry of Foreign Affairs of the People's Republic of China and signature of Mr. Yang Zhenxing, 1st Secretary of Consular Dept.

Dated: 22 MAY 2015

Consular Officer

The Embassy assumes no responsibility on the content of the document

EMBASSY OF THE REPUBLIC OF THE UNION OF MYANMAR
012
BEIJING

Land and Sea Requirement

	No.	Category	Area（Acre)	Percentage（%）	Acquisition	Notes
1. Land requirement	1.1	Land used for road,pipeline lane from jetty to refinery area	110.397	8.30	To be acquired	
	1.2	Land for jetty	62.3	4.68		
	1.3	Land for landfill	12.36	0.93		
	1.4	Land for refinery	716	53.80	Acquired	acquired area of Block 3,4,5,6 is 716 acres
	1.4.1	Land for main units	321.8	24.18		
	1.4.2	Land for construction	394.2	29.62		
	1.5	Land for staff residential area	30	2.25		30 acres of Block 1 are acquired for the project
	Total land requirement		**931.057**	69.96		
2. Sea requirement	2.1	Sea for jetty	399.82	30.04	To be acquired	
	Total sea requirement		**399.82**	30.04		
Grand total			**1330.877**	100.00		

Annex-9-Land and Sea Requirement

Explanation on the Use of Land and Sea

The land used for Myanmar 5 MMTA refinery project are zoned into 5 sections, they are main units area, staff residential area, road, landfill and jetty. The total required land and sea area is 1330.877acres, in which the required land is 931.057acres, the required sea area is 399.82acres. At present the acquisition of land for main units area and staff residential area is completed; the land and sea areas for roads, landfill and jetty is to be acquired. The utilization plan for the acquired land, the to-be acquired land and sea is as follows:

I. The Acquired Land

The acquired land are Block 1,3,4,5 and 6 as shown in Appendix 9-2, totaling746acres.

1. The total acquired area of Block 3,4,5 and 6 is 716acres, of which 321.8 acres are used for the Main units area. The remaining 394.2 acres are used for construction land, including the residential and office zone for the contractors during construction period, construction prefabrication yard, material storage (section steel, sheet material, tubes and pipes etc), mixing station etc, in the future the land will be used for Phase Two expansion.

2. Block 1, 30 acres are used for staff residential area.

II. The Land to be Acquired

The land and sea areas for roads, landfill and jetty are to be acquired, totaling 185.057 acres. The utilization plan is as follows:

1）Land used for jetty: the total area is 62.3acres; see Appendix 9-3Boundary of Jetty Land Area;

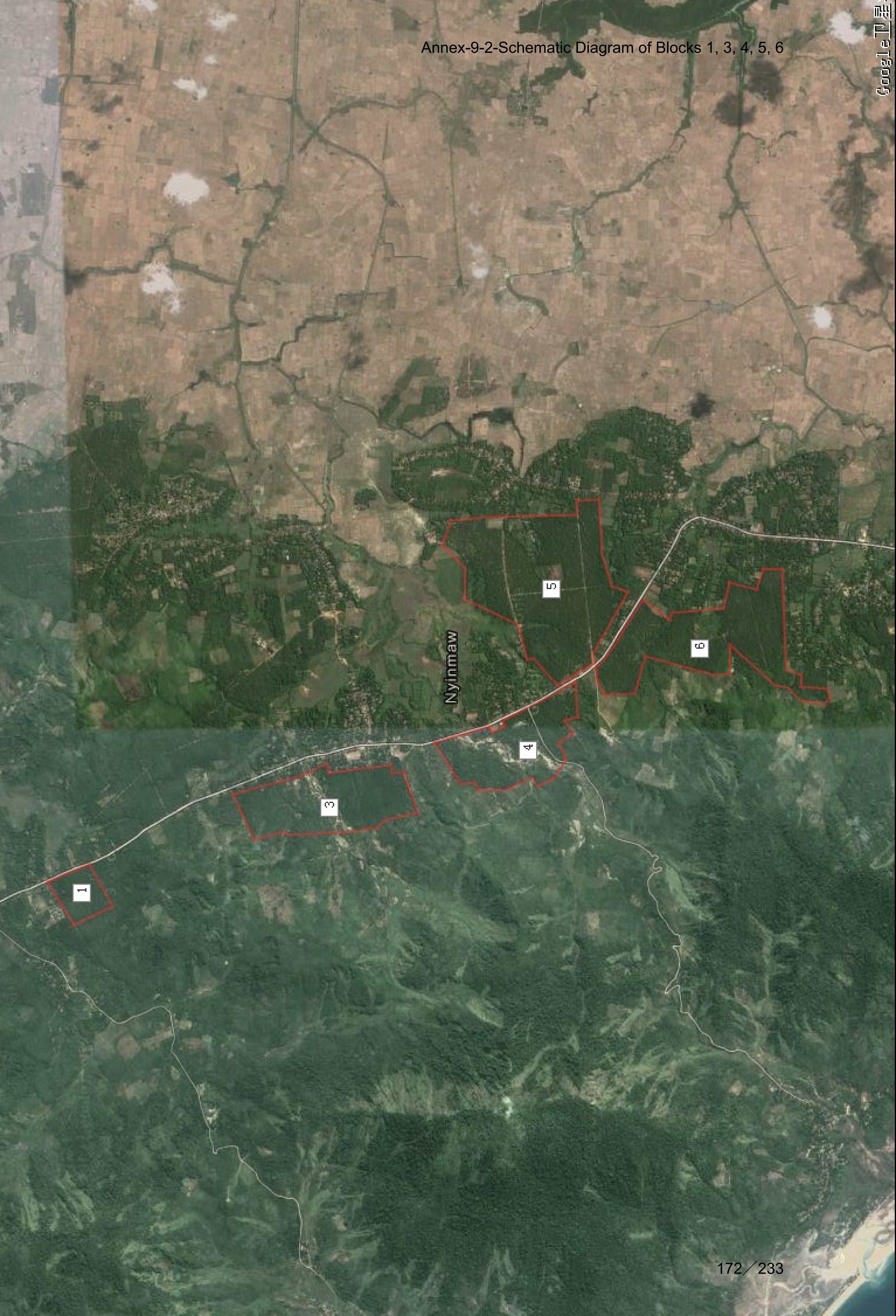
2）Land used for road and pipeline lane from jetty to refinery area: the area is 110.397acres, See Appendix 9-4Boundary of Road Land Occupation；

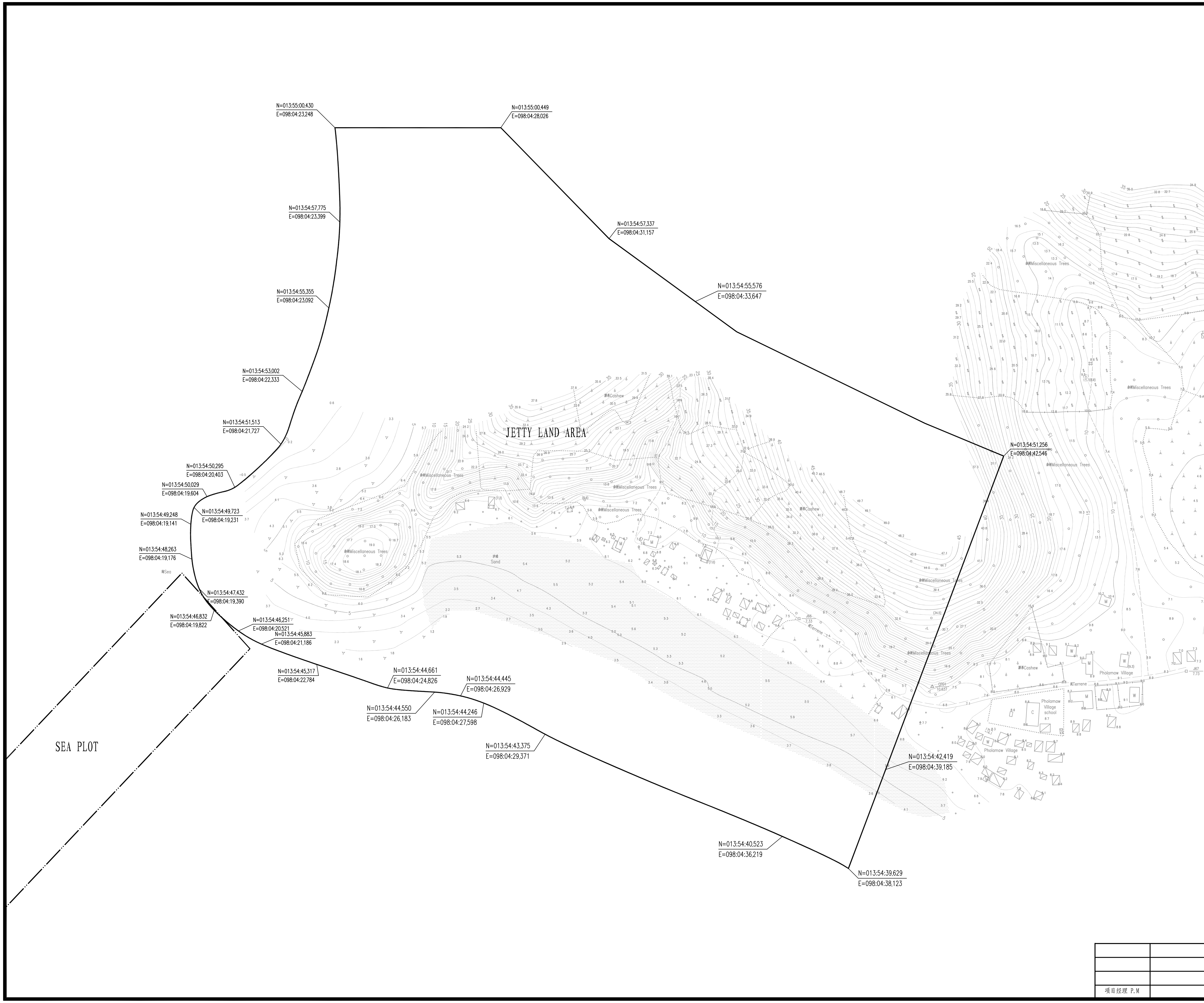
3）Land used for solid waste landfill: the area is 12.36 acres, See Appendix 9-5.Boundary of Landfill Location;

III. The Sea to be Acquired

The sea area to be acquired is 399.82acres, will be used for the jetty, see Appendix 9-6 Boundary of Sea Plot.

Annex-9-2-Schematic Diagram of Blocks 1, 3, 4, 5, 6





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NOTES:

1. ALL DIMENSIONS ARE IN METERS.
2. WGS84 COORDINATES SYSTERM(USER-DEFINED) AND MEAN SEA LEVEL DATUM(MSL) WERE APPLIED.
3. AERA OF JETTY LAND AREA IS 252100m²(62.30 acre).

相关图纸 REFERENCE DRAWINGS	
图号 DRG No.	图纸名称 DRG TITLE.

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专业负责 CHIEF DESIGNER	日期 DATE
校对 CHECKED BY	日期 DATE
设计 DESIGNED BY	日期 DATE

业主 CLIENT


广东振戎能源有限公司


中交第四航务工程勘察设计院有限公司
CCCC-FHDI Engineering Co.,Ltd.

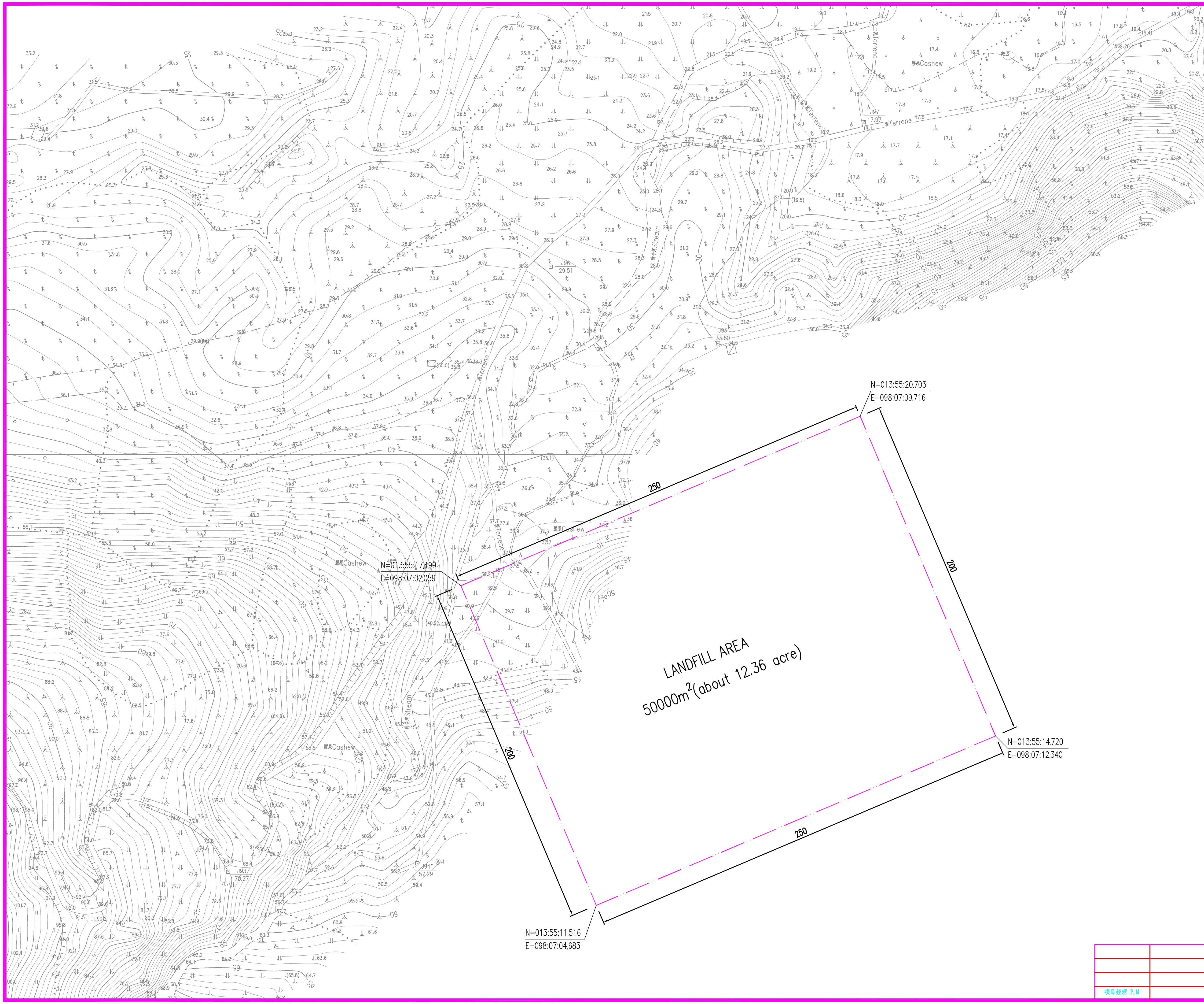
广东振戎缅甸500万吨炼油项目
5 MTA Refinery Project in Myanmar
for Guangdong Zhenrong Energy Co., Ltd.
——码头工程 Jetty Works

码头陆域征地范围图
BOUNDARY OF JETTY LAND AREA

图号 DRG No.	ZD-0002	版号 REV.	A
比例 DRG SCALE	1:6000	图幅比例 PLOT SCALE A1 (1 : 1)	
项目经理 P.M		版权所有	COPYRIGHT RESERVED


NOTES:
1. ALL DIMENSIONS ARE IN METERS, LW WAS LEFT WIDTH AND RW WAS RIGHT WIDTH;
2. WGS84 COORDINATES SYSTERM(USER-DEFINED) AND MEAN SEA LEVEL DATUM(MSL) WERE APPLIED.
3. AERA OF ROAD LAND AREA IS 446760m² (110.397 acre).
审定 APPROVED BY
审核 REVIEWED BY
专业负责 CHIEF DESIGNER
校对 CHECKED BY
设计 DESIGNED BY
业主 CLIENT
广东振戎能源有限公司
中交第四航务工程勘察设计院
CCCC-FHDI Engineering Co.,
道路占地图(1/2)
BOUNDARY OF ROAD LAND OCCUPATION (1/2)
图号 DRG No. ZD-0004
比例 DRG SCALE 1:2000
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NOTES:
1. ALL DIMENSIONS ARE IN METERS, LW WAS LEFT WIDTH AND RW WAS RIGHT WIDTH;
2. WGS84 COORDINATES SYSTERM(USER-DEFINED) AND MEAN SEA LEVEL DATUM(MSL) WERE APPLIED.
3. AERA OF ROAD LAND AREA IS 446760m² (110.397 acre).
业主CLIENT
广东振戎能源有限公司
中交第四航务工程勘察设计院有限公司
CCCC-FHDI Engineering Co.,Ltd.
广东振戎缅甸500万吨炼油项目
5 MTA Refinery Project in Myanmar
for Guangdong Zhenrong Energy Co., Ltd.
——道路工程 Road Works
道路占地图(2/2)
BOUNDARY OF ROAD LAND OCCUPATION (2/2)
图号 DRG No. ZD-0005
版号 REV. A
比例 DRG SCALE 1:2000
图框比例 PLOT SCALE A1 (KING-SIZE)
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项目经理 P.M



NOTES:
1. ALL DIMENSIONS ARE IN METERS.
2. WGS84 COORDINATES SYSTERM(USER-DEFINED) AND MEAN SEA LEVEL DATUM(MSL) WERE APPLIED.
3. AERA OF LANDFILL AREA IS 50000m² (12.36 acre) .

相关图纸 REFERENCE DRAWINGS	
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业主 CLIENT
广东振戎能源有限公司

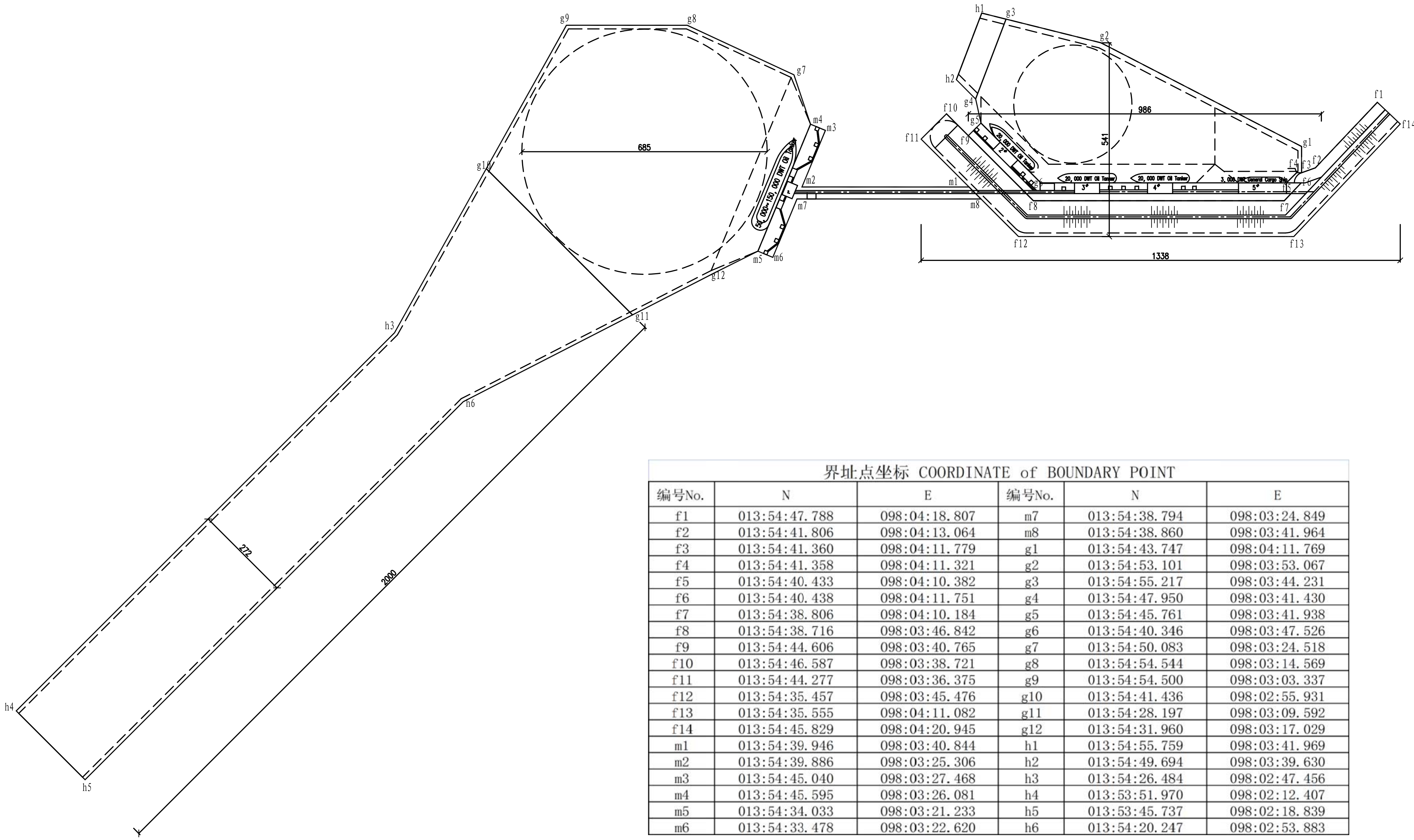
中交第四航务工程勘察设计院有限公司
CCCC-FHDI Engineering Co.,Ltd.

广东振戎缅甸500万吨炼油项目
5 MTA Refinery Project in Myanmar
for Guangdong Zhenrong Energy Co., Ltd.
——道路工程 Road Works

填埋场位置图
BOUNDARY OF LANDFILL LOCATION

图号 DRG No.	ZD-0003	版号 REV.	A
比例 DRG SCALE	1:2000	图框比例 PLOT SCALE	A3

项目经理 P.M



N

NOTES:

1. ALL DIMENSIONS ARE IN METERS.
2. WGS84 COORDINATES SYSTERM(USER-DEFINED) AND MEAN SEA LEVEL DATUM(MSL) WERE APPLIED.

征海面积
AREA of SEA PLOT

单元 DEPARTMENT	面积 AREA
产品码头 PRODUCT WHARF	48000m²(11.86acre)
防波堤 BREAKWATER	147000m²(36.33acre)
产品码头港池 BASIN of PRODUCT BERTH	262000m²(64.74acre)
产品码头航道 CHANNLE of PRODUCT BERTH	15000m²(3.71acre)
原油码头 CRUDE OIL WHARF	34000m²(8.40acre)
原油码头港池 BASIN of CRUDE OIL BERTH	491000m²(121.33acre)
原油码头航道 CHANNLE of CRUDE OIL BERTH	621000m²(153.45acre)
合计 TOTAL	1618000m²(399.82acre)

界址点坐标 COORDINATE of BOUNDARY POINT

编号No.	N	E	编号No.	N	E
f1	013:54:47.788	098:04:18.807	m7	013:54:38.794	098:03:24.849
f2	013:54:41.806	098:04:13.064	m8	013:54:38.860	098:03:41.964
f3	013:54:41.360	098:04:11.779	g1	013:54:43.747	098:04:11.769
f4	013:54:41.358	098:04:11.321	g2	013:54:53.101	098:03:53.067
f5	013:54:40.433	098:04:10.382	g3	013:54:55.217	098:03:44.231
f6	013:54:40.438	098:04:11.751	g4	013:54:47.950	098:03:41.430
f7	013:54:38.806	098:04:10.184	g5	013:54:45.761	098:03:41.938
f8	013:54:38.716	098:03:46.842	g6	013:54:40.346	098:03:47.526
f9	013:54:44.606	098:03:40.765	g7	013:54:50.083	098:03:24.518
f10	013:54:46.587	098:03:38.721	g8	013:54:54.544	098:03:14.569
f11	013:54:44.277	098:03:36.375	g9	013:54:54.500	098:03:03.337
f12	013:54:35.457	098:03:45.476	g10	013:54:41.436	098:02:55.931
f13	013:54:35.555	098:04:11.082	g11	013:54:28.197	098:03:09.592
f14	013:54:45.829	098:04:20.945	g12	013:54:31.960	098:03:17.029
m1	013:54:39.946	098:03:40.844	h1	013:54:55.759	098:03:41.969
m2	013:54:39.886	098:03:25.306	h2	013:54:49.694	098:03:39.630
m3	013:54:45.040	098:03:27.468	h3	013:54:26.484	098:02:47.456
m4	013:54:45.595	098:03:26.081	h4	013:53:51.970	098:02:12.407
m5	013:54:34.033	098:03:21.233	h5	013:53:45.737	098:02:18.839
m6	013:54:33.478	098:03:22.620	h6	013:54:20.247	098:02:53.883

相关图纸 REFERENCE DRAWINGS

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业主 CLIENT
广东振戎能源有限公司

中交第四航务工程勘察设计院有限公司
CCCC-FHDI Engineering Co.,Ltd.

广东振戎缅甸500万吨炼油项目
5 MTA Refinery Project in Myanmar
for Guangdong Zhenrong Energy Co., Ltd.
——码头工程 Jetty Works

征海范围图
GENERAL PLAN OF SEA PLOT

图号 DRG No. ZD-0001 版号 REV. A
比例 DRG SCALE 1:6000 图框比例 PLOT SCALE A1 (1 : 1)
项目经理 P.M

List of Main Buildings

Building	Area (ft^2)	Fire Risk Class	Fire Resistance Rating	Floors	Structure	Note
I. Refinery Plant						
Central Laboratory&Environmental Monitoring Station	25831.08	C	II	2	Reinforced Concrete Frame Structure	
Office Building	64555.92		II	5	Reinforced Concrete Frame Structure	
Staff Cafeteria	9670.32		II	1	Reinforced Concrete Frame Structure	
Fire Station	32277.96	D	II	1	Reinforced Concrete Frame Structure	
Central Control Room	23653.08	D	II	2	Reinforced ConcreteBlast-resistant Structure	
FCR01 on-site Cabinet Room	6011.28	D	II	1	Reinforced ConcreteBlast-resistant Structure	
FCR02 on-site Cabinet Room	6011.28	D	II	1	Reinforced ConcreteBlast-resistant Structure	
FCR03 on-site Cabinet Room	6446.88	D	II	1	Reinforced ConcreteBlast-resistant Structure	
FCR04 on-site Cabinet Room	8145.72	D	II	1	Reinforced ConcreteBlast-resistant Structure	
FCR05 on-site Cabinet Room	1393.92	D	II	1	Reinforced Concrete Frame Structure	
FCR06 on-site Cabinet Room	1393.92	D	II	1	Reinforced Concrete Frame Structure	
FCR07 on-site Cabinet Room	1393.92	D	II	1	Reinforced Concrete Frame Structure	
FCR08 on-site Cabinet Room	1393.92	D	II	1	Reinforced Concrete Frame Structure	
FCR09 on-site Cabinet Room	1045.44	D	II	1	Reinforced Concrete Frame Structure	
FCR10 on-site Cabinet Room	3223.44	D	II	1	Reinforced Concrete Frame Structure	
Air Compression Station & Nitrogen Station Plant	13982.76	D	II	1	Reinforced Concrete Bent Structure	

Building	Area (ft^2)	Fire Risk Class	Fire Resistance Rating	Floors	Structure	Note
Demineralizing Water &Condensate StationPlant	46260.72	D	II	2	Reinforced Concrete Frame Structure	
Chiller Station	8058.6	D	II	1	Reinforced Concrete Frame Structure	
Self-UsePower Station	56497.32	D	II	1	Reinforced Concrete Bent Structure	
Sulfur Forming Room and Warehouse	24742.08	C	II	2	Reinforced Concrete Frame Structure	
Complex Maintenance Plant	61332.48	D	II	1	Reinforced Concrete Bent Structure	
Complex Maintenance Office Building	19340.64	D	II	2	Reinforced Concrete Frame Structure	
Chemicals Warehouse1	53796.6	C	II	1	Reinforced Concrete Frame Structure	
Chemicals Warehouse2	12893.76	C	II	1	Reinforced Concrete Frame Structure	
Chemicals Warehouse3-5	6446.88	A	II	1	Reinforced Concrete Frame Structure	
Chemicals Warehouse6	522.72	E	II	1	Reinforced Concrete Frame Structure	
Chemicals Warehouse area Shack	2134.44	E	II	1	Reinforced Concrete Frame Structure	
Chemicals Warehouse area management Room	2134.44		II	1	Reinforced Concrete Frame Structure	
Toilets in Plant	1916.64x2		II	1	Reinforced Concrete Frame Structure	
Main Guard's Room in Plant	1611.72		II	1	Reinforced Concrete Frame Structure	
Secondary Guard's Room in Plant	304.92x2		II	1	Reinforced Concrete Frame Structure	
Subtotal	507169.08					
II. Living Area						
Shifts Apartment	269070.12		II	5	Reinforced Concrete Frame Structure	
Primary School with	45171.72		II	3	Reinforced	

Building	Area (ft^2)	Fire Risk Class	Fire Resistance Rating	Floors	Structure	Note
12 classes					Concrete Frame Structure	
Cinema	16117.2		II	1	Reinforced Concrete Bent Structure	
Gym	16117.2		II	1	Reinforced Concrete Bent Structure	
Restaurant	51662.16		II	2	Reinforced Concrete Frame Structure	
Hospital	142049.16		II	5	Reinforced Concrete Frame Structure	
Commercial Building	27965.52		II	2	Reinforced Concrete Frame Structure	
Subtotal	568327.32					
Total	1074799.44					

Notarial Translation

GOVERNMENT OF THE REPUBLIC OF UNION OF MYANMAR

MINISTRY OF INDUSTRY

MYANMA PHARMACEUTICAL AND FOODSTUFF ENTERPRISE

U HLA WIN YANGON NOTARY PUBLIC

5928

20-3-2012

[Round seal of Myanma Pharmaceutical and Foodstuff Enterprise, Yangon Letter No. 14 date: 20/3, 13:10:63]

Letter No. 1511 / Sa Ma-7 / 2012 (3639)

Date : 16th March , 2012.

Subject : **REPLY OF AREA TRANSFER AND ACCEPTANCE PROGRAM OF LAUNG LONE PALM OIL FACTORY AND PLANT**

Reference : Letter No. 10/Sa Ma (2) 2011-2012 (1378) dated (9-3-2012) of Ministry of Industry
Letter No. 4/4/Ah Kha Ya / Paing (993/2012) dated (14-3-2012) of Myanma Economics Holding Limited

1. By above Reference (1), the Sale of Laung Lone Palm Oil Factory Area (24.77) acre and Plants area (1611.37) acre, Total area (1636.14) acre, situated within Laung Lone Township, Dawei Township, Tanintharyi Region, under Supervision of Myanma Pharmaceutical and Foodstuff Enterprise will be made in a consideration of Kyats 2603.2546 million and Ministry of Industry informed to Myanma Economic Holding Limited for arrangement to enable to make payment into Account of this Enterprise within (2012-2013) financial year only.

2. For having Myanma Economic Holding Limited informed the Acceptance Committee of the said Factory and Plants area by Reference (2), this is to submit for grant of permission to transfer on (19-3-2012) attached with copy of Reference (2).

Sd/-xxx
Dr. Cho Win Maw
Managing Director

Ministry of Industry

MYANMA ECONOMIC HOLDINGS LTD. MEHL

Hla Myo
Major (Rtd.)
General Manager (MEHL)

Office-order
17

Notarial Translation

-2-

U HLA WIN
YANGON
NOTARY PUBLIC

Copy to:-

1. Director General, Directorate of Industry
2. Managing Director, Myanma Economic Holding Limited
3. General Manager (Industrial Raws Planning), Myanma Pharmaceutical and Foodstuff Enterprise
4. U Myint Wai, Deputy General Manager (Industrial Raws Planning) (Team Leader) Transfer Committee
5. Factory Manager, Laung Lone Palm Oil Factory and Plants
6. Main File
7. Floating File
8. Office Copy

AUTHENTICATED, true and correct English Translation.

3/10/12

U HLA WIN
H.G.P, R.L, D.B.L, L.M.L, D.I.L, M.Dev.S
ADVOCATE & NOTARY PUBLIC
No.62, MYANMA GONYI HOUSING
HUMAR ROAD, TAMWE TOWNSHIP, YANGON.

U HLA WIN
NOTARY PUBLIC YANGON

Doc. No	182 / P

03 OCT 2012

MYANMA ECONOMIC HOLDINGS LTD
MEHL

Hla Myo
Major (Rtd.)
General Manager (MEHL)

Land Ownership Evidence

Land Map-MEHL (Blocks 1 & 3-6)

LAND LEASE AGREEMENT

BY AND BETWEEN

MYANMA ECONOMIC HOLDINGS LIMITED

AND

LONGWIN GLOBAL PETROCHEMICAL COMPANY LIMITED

LAND LEASE AGREEMENT

This Lease Agreement (the “Agreement”) is made and entered into by and between the following parties on _______________, 20___ in the__________________.

Lessor

MYANMAR ECONOMIC HOLDINGS LIMITED, Registered Address: No.189-191, Maha Bandoola Road, Botataung Township, Yangon, the Republic of the Union of Myanmar

Lessee

LONGWIN GLOBAL PETROCHEMICAL COMPANY LIMITED, Registered Address: _______________,

Each of the Lessor and the Lessee shall be respectively referred to as a “Party”, and shall be collectively referred to as the “Parties”.

WHEREAS:

1. **THAT FOR AND IN CONSIDERATION** of the rents, covenants, stipulations and agreements hereinafter reserved to be paid, kept and performed by the Parties, the Lessor hereby grants, leases, and demises, unto the Lessee, a parcel of land consisting of 733.3 acres of land situated, lying and being in____, Tanintharyi Region, Myanmar to build 5MMTA Refinery Plant and related Project Facilities as defined in Article 1.1 in the Joint Venture agreement.
2. **TO HAVE AND TO HOLD** the said Leased Property unto the Lessee, with all and singular the rights, privileges and appurtenances thereto belonging, for a period of [50] years, commencing from the execution date of this Agreement.
3. **IT IS AGREED AND UNDERSTOOD** that at the expiration of the certain period herein granted, the Lessee is hereby granted an option to renew this Agreement for an additional period equivalent to the renewed Term of Concession granted to the Lessee as specified in the joint venture agreement entered by and among MYANMA PETROCHEMICAL ENTERPRISE, GUANGDONG ZHENRONG ENERGY CO., LTD. , MYANMA ECONOMIC HOLDINGS LIMITED and YANGON ENGINEERING GROUP COMPANY LIMITED (the “Joint Venture Agreement”), subject to the approval of Myanmar Investment Commission (“MIC”) or other competent governmental authorities, on terms and conditions herein below set forth.
4. **THE PARTIES AGREE** that for and in consideration of the Lessee’s possession, occupancy and use of the herein Leased Property, the Lessee shall pay, and the Lessor shall accept rent(s) as follows.

THE PARTIES HEREBY AGREE as follows:

I. Basic Terms

1.1 Leased Property

In consideration of the rents, terms, provisions and covenants of this Agreement, the Lessor hereby agrees to lease the following Leased Property to the Lessee within the lease term provided, the registered number of the Leased Property is: the Parcel No. （Block 1(30 acres), 3(130 acres), 4(117.8 acres), 5(277.2 acres), 6(178.3 acres)shall be included, and fully described in cadastral map (Exhibit A) attached hereto, with the total area of 733.3 acres. However, parties agree to acquire additional land by JV Company once it is established.

1.2 Usage of Leased Property

Permitted use of the Leased Property by the Lessee hereunder shall be for the implementation of Refinery Project according to the JV Agreement and M.O.A., which are permitted or allowed by the laws of the Republic of Union of Myanmar (“Myanmar”), and any other related legitimate activities. For the avoidance of ambiguity, the Lessee shall be entitled to remove the fixtures on the Leased Property and conduct reconstruction on the Leased Property upon signing the Land Lease Agreement.

1.3 Operating Right

The Lessee is entitled to make changes or alterations to the Leased Property for the operation of its business. The ownership of all the buildings, fixtures, facilities and equipment built or constructed by the Lessee to the Leased Property (the “Assets”) for the purpose of such changes or alterations belong to the Lessee or any third party assigned by the Lessee for the above mentioned Project. The Lessor shall not control or dispose of the Assets. Unless with the written consent of Lessor, the Lessee or any third party assigned by the Lessee for the above mentioned Project is not entitled to transfer, assign, sublease, mortgage, pledge or otherwise encumber all or part of the Assets.

1.4 Sublease

It is further mutually agreed and understood by the parties hereto that with the prior written consent of the Lessor, the Lessee shall have the right to sublease or assign a portion or the whole of the demised premises during the period herein granted and any renewal thereof.

1.5 Access Road

It is agreed that the total area required for the Access Road (Diversion and Extension Roads) to be purchased by the JV Company from MEHL and other land owners. Parties acknowledge that only a total of 12.7 acres falls under MEHL property. However, MEHL shall assist at its best endeavour to the JV Company to purchase the remaining of the required land.

II. Term

Unless terminated or extended by the provisions specified in this Agreement, the Term of this Agreement (the “Term”) shall be 50 years, from_________ (effective date) to

_________ (termination date) and the Lessor shall assist the Lessee to obtain approval from MIC to extend the period of consecutive 10 years and for further 10 years after the expiry of the Term.

III. Right to Possession

3.1 Record

After signing this Agreement, Parties shall take all necessary actions to file for the record or registration (the “Record“) for the Land Lease hereunder to the relevant government authorities, and each party shall bear its own costs in accordance with the law (if available). The effective date of this Lease Agreement shall be deemed as the right to possess date (the “Possess Date“) upon which the Leesor must deliver the Leased Property to the Lessee. the Lessee shall pay the Rent in compliance with the Section 4.1 hereinafter. The Lessee is entitled to possess the Leased Property based on this Agreement from the Possess Date.

IV. Rent

4.1 Rent Amount

The Lessee agrees to pay (USD 0.5 per square meter) for 733.3 Acres, a total of
USD 1.48 M per year to the Lessor. Details of calculation would be as follows:
733.3 Acres x 4046.85 m^2 /Acre x USD 0.5 / m^2 year = USD 1.48M / year.

4.2 The Lessor shall provide the above mentioned rent amount as an in kind contribution to Project Investment for its share ratio. The Lessee acknowledges the rent amount will be equivalent to 20% share ratio of Project Company.

4.3 Tax

Tax shall be paid in accordance with Myanmar tax law and regulations.

V. Responsibilities of the Lessor

5.1 Obligations of the Lessor

In addition to other obligations subject to this Agreement, the Lessor shall,

1) assist the Lessee in filing for the Record to the relevant governmental authorities after signing this Agreement with the Lessee;
2) ensure that at all times during the Term of this Agreement, the Lessee and its assigned third party enjoys a full and unrestricted access to the Leased Property, and that the Lessee and its assigned third party are in all respects able to conduct thereon all activities contemplated under Section 1.2 hereof,
3) covenants that at all times during the Term of this Agreement, Lessee and its assigned

third party shall lawfully use, occupy, possess the Leased Property and enjoy all rights and benefits thereof, without any let, suit, hindrance, eviction, ejection, molestation or interruption whatsoever of or by Lessor, or of or by any other person lawfully claiming by, from, under or against Lessor. There are no leases, subleases, licenses, concessions, or other agreements, written or oral, granting to any third party or parties the right of use or occupancy of any portion of the Leased Property. Unless confirmed by Lessee, no third party shall have the right to use or occupy the Leased Property in part or in whole at any time during the Term of this Agreement.

4) Lessor shall indemnify and hold the Lessee harmless from and against claims by third parties for any loss or damage to property or person caused in whole or in part by pre-existing pollution, contamination or any other defect of the land which is not caused by the Lessee.

5) allow the Lessee or its assigned third party to implement any restrictions or limitations on access to the Leased Property;

VI. Responsibilities of the Lessee

6.1 Obligations of the Lessee

In addition to other obligations subject to this Agreement,

1) The LESSEE shall have the right to construct BUILDINGS or other buildings deemed necessary and appropriate for the implementation and operation of the BUSINESS.
2) The LESSEE shall provide the LESSOR and relevant agencies of the Government of Myanmar such information or data as may reasonably be requested by them in connection with its operations covered by this LEASE AGREEMENT.
3) The LESSEE shall allow inspection of its operation by such an agency of the Government of Myanmar when reasonably called upon or required under any law to do so.
4) The LESSEE shall strictly comply with the laws, rules and regulations of the Government and local authorities and consider the suggestion of the LESSOR relating to compliance with this LEASE AGREEMENT.
5) The LESSEE shall procure all insurance required for the implementation of this LEASE AGREEMENT as set forth under the FIL, Myanmar Insurance Laws, directives and orders issued under these laws.
6) The LESSEE shall take reasonable measures to prevent environmental pollution due to discharge of waste materials generated during its conduct of the BUSINESS.
7) The LESSEE shall observe the Myanmar tax law and regulations during the period of this LEASE AGREEMENT that are now or may hereinafter during the said term be imposed upon Land or any part thereof.
8) The LESSEE shall not carry out any activity which is not related to its business approved by MIC on the LAND.

9) After obligations in this LEASE AGREEMENT have been discharged and the LEASE is terminated, the LESSEE shall return the LAND to the Lessor without consideration within two (2) months from the expiration or termination of this LEASE AGREEMENT, subject to the LESSOR's fulfillment of its obligations set forth in Article 5.

10) If this agreement is terminated before expiry of the term for any reason, rent shall be settled in accordance with the stipulation contained in this Lease Agreement in order not to cause damage to the LESSOR before return.

VII. Lessor's Representations and Warranties

The Lessor hereby represents and warrants to the Lessee that:

7.1 Flaws or Legal Defects on the Leased Property

The Lessor is the legitimate and lawful owner of the Leased Property, and there are no factual or legal flaws or defects to Lessor's ownership of the Leased Property.

7.2 Relevant Approvals

All necessary permits, consents, authorizations, approvals, and licenses in connection with or for Lessor's executing this Agreement and leasing the Leased Property to Lessee have been properly obtained, and the Lessor has complied with such permits, licenses, approvals, and authorizations.

7.3 Encumbrance

The Leased Property is free from any mortgage, pledge, lien, security, or any other encumbrances that would in any way affect the Lessee's rights under this Agreement;

7.4 Interruptions

At all times during the Term of this Agreement, the Lessee's use of the Leased Property and the common areas will not encounter any interruptions or obstructions due to any reason caused by the Lessor;

7.5 Administrative or Judicial Proceeding

There is no administrative or judicial proceeding pending threatening, against or affecting the Leased Property or the Lessee's use and occupancy of the Leased Property. No event has occurred, and no condition or circumstance exists, that might directly or indirectly give rise to or serve as a basis for the commencement of any such proceeding.

7.6 Peaceful Enjoyment

The Lessor guarantees that the Lessee shall have peaceful enjoyment of the Leased Property during the Term of this Agreement including any term of renewal free from interruption and encumbrance caused by the Lessor, or any other person or persons whomsoever claiming any portion or the whole of the Leased Property, or any other third parties including without limitation the change of shareholding structure of the Lessor. In case of such interruption or encumbrances, the Lessor shall hold the Lessee harmless.

VIII. Lessee's Representations and Warranties

The Lessee hereby represents and warrants to the Lessor that:

8.1 Incorporation

The Lessee is a legal entity incorporated in accordance with laws of the Republic of the Union of Myanmar.

8.2 Authorization

The Lessee's executing and performing this Agreement have gained all necessary company internal authorization.

8.3 Non Illegal Activities

The Lessee undertakes to use the Leased Property in accordance with the terms of this Agreement, and comply with local laws when carrying on relevant business on the Leased Property.

IX. Indemnification

9.1 Indemnification

A breach of any obligation or any other provision hereof by any Party, or any representation and warranty made by any Party hereunder is untrue or inaccurate, shall be deemed as default.

In the event that any default causes the other Party to assume any expenses, liabilities or suffer any losses, the default Party shall indemnify the other Party against any such expenses, liabilities or losses within three months. Such indemnification shall be equivalent to the loss(in terms of the Lessee, the losses shall also include any investment capital the Lessee has made with regard to the Leased Property) suffered by the other Party as well as all the interest deprived of from the other Party due to the occurrence of any default.

9.2 Compensation

The Parties acknowledge and agree that monetary damages may not be sufficient to compensate the non-defaulting party for damage caused by the defaulting Party under this Agreement, and equitable relief, including without limitation specific performance and injunction, shall be allowed in resolving disputes between the parties to this Agreement.

X. Procedure upon and after Termination

10.1 Expiration of the Term

Upon the expiration of the Term as set forth in Section II thereof, at the request of the Lessee or its approved third party, by the approval of MIC, the Lessor shall renew land lease agreement for an additional period equivalent to the renewed Term of Concession granted to the Lessee as specified in the Joint Venture Agreement with the Lessee or the

third party approved by the Lessee. Terms and conditions of such renewed lease agreement shall be consistent with this Agreement.

This Agreement shall be terminated (1)if a period of force majeure occurs and results in impossibility to use the leased and for the construction or operation of the Concession project for six months or (2) if the JV agreement is terminated or (3)with mutual written consent of the Parties.

10.2 Priority on the Leased Property

Upon the expiration of the Term, Lessee or its approved third party shall be given priority over others in leasing the Leased Property.

XI. Notice

11.1 Form of Notice

Any and all notices, documents, or instruments permitted or required to be given under this Agreement shall be in writing, signed by the party or representatives on behalf of the party giving the notice, and shall be deemed to have been properly given (1) if personally delivered, on the date delivered; (2) if sent by a pre-paid overnight courier service (Federal Express or the like), on the business day following its deposit with the courier; and (3) if sent by facsimile, when sent and confirmed by telephone. Personal delivery to a party or to any officer, agent, or partner of such party shall constitute receipt. Rejection or other refusal to accept or inability to deliver because of changed address of which no notice has been sent or received shall also constitute receipt. Any notice may be given on behalf of a party by its attorney.

For the purpose of notices, the addresses of the Parties are as follows:

Lessor:

Address: No.183-191, MahaBandoola Road, BotataungTownship, Yangon, Myanmar
Name: [ ]
Phone: (95) 1 397453, 397458
Facsimile: (95) 1 397454

Lessee:

Address:
Name:
Phone:
Facsimile:

Any Party shall at any time change its address for notices by a notice delivered to the other Parties without breaching the Section 11.1 hereof.

Ⅻ. Transfer of the Leased Property

12.1 Lessor shall not transfer the Leased Property in part or in whole (the "Intend Transfer Property"), without prior written approval from the Lessee.

XⅢ. Force Majeure

13.1 If either party is the temporarily rendered unable, wholly of in part, by Force Majeure to perform its duties or accept performance by the other party under this contract, it is agreed that the effected party gives notice to the other party within (14) fourteen days after the occurrence of the cause relied upon giving full particulars in writing of such Force Majeure. The duties of such party as are effected by such Force Majeure shall with the approval of the other party, be suspended during the continuance of the inability so caused, but for no longer period, and such cause shall as far as possible be removed with all reasonable dispatch. Neither party shall be responsible for delay damage or lose caused by Force Majeure.

The term "Force Majeure" as employed herein shall mean act of God, Restraint of a Government, Strikes,, Lockout, Industrial Disturbances, Explosion, Fires, Floods, Earthquakes, Storms, Lighting and every any other causes similar to the kind herein enumerated which are beyond the control of either party and which by the exercise of due care and diligence either party is unable to overcome.

XⅣ. Arbitration

In the event that any dispute, disagreement or claim or any other matters related under this Agreement cannot be solved by amicable discussion within 60 days after commencement of consultation, such dispute shall be settled by arbitration through an Odd number of Arbitrator. If two Arbitrators shall be appointed each by both parties. The appointed Arbitrators shall nominate an Umpire. The provisions of the Myanmar Arbitration Law, 2016 (THE PYIDAUNGSU HLUTTAW LAW NO 5/2016) or any subsisting statutory modification thereof shall apply. The venue of arbitration shall be Yangon, the Republic of the Union of Myanmar. The decision of the arbitrators or the Umpire shall be final and binding both parties.

Notwithstanding the foregoing, upon and after the domestic implementing legislations of the New York Convention (The Convention on the Recognition and Enforcement of Foreign Arbitral Awards) being in effect in Myanmar, any Party shall be entitled to submit such dispute to Singapore International Arbitration Centre for arbitration conducted in Singapore and under the then applicable arbitration rules. Such arbitration shall be conducted by three arbitrators in English. The arbitration award shall be final and binding upon all Parties. Unless it is otherwise stipulated in the arbitration award, the losing party shall bear all cost incurred by the wining party during the arbitration.

XⅤMiscellaneous

15.1 Amendment, Change and Supplement

For issues not stipulated in this Agreement, by the approval of MIC, the Parties may amend, change or supplement this Agreement through written agreement signed by both Parties. All amendments or supplementary agreements signed by both Parties shall be integral parts of this Agreement and have the same legal effect.

15.2 Severability

Any provision in this Agreement which is void, invalid or unenforceable under the laws of Myanmar, shall be ineffective only to the extent of such void, invalid or unenforceable provisions, without invalidating remaining provisions and without affecting the validity and enforceability of such provisions in any other jurisdiction.

15.3 Assignment

Both Parties agree, by the mutual consent, the Lessee may, at its sole discretion, assign its rights and obligations under this Agreement in whole or in part to a third party appointed by it.

15.4 Successors

This Agreement and all its covenants, conditions and restrictions shall extend to and be binding upon the successors, heirs, executors, administrators, devisees and assigns of the parties to this Agreement, and to any other person claiming to hold, or to exercise any interest by, under or through any of the parties to this Agreement.

To avoid any doubt, the above circumstances include but not limited to, merger or consolidation of the Lessor with another entity or nationalization of the Lessor by governmental authorities.

15.5 Waiver of Right or Privilege

Failure or delay on the part of any Party hereto to exercise any right, power or privilege under this Agreement shall not be deemed as a waiver thereof, nor shall any single or partial exercise of any such right, power or privilege preclude any future exercise thereof.

15.6 Filings

Upon the signing of this Agreement, both Parties shall take all necessary actions to ensure that this Agreement is filed or registered with any related government authorities, and bear any cost raised thereof respectively.

15.7 Waiver of Breach

Waiver by any Party of any breach of any term or provision of this Agreement is not to be construed as a waiver of a breach of any other term or provision, or of any subsequent breach of the same term or provision. A waiver shall be effective only if expressly granted in writing by the other Party.

15.8 Effectiveness

This Agreement shall come into effect upon signing by both Parties.

15.9 If mineral resources, gems or natural resources are found unexpected in or on the land during the term of this Agreement, the lessee shall promptly inform the relevant government authorities. The Government authorities shall have the right to excavate and take ownership over the findings.

15.10 If the lessee shall remain in possession of the land after expiration of the term of this Agreement, this Agreement shall be demand a month-to-month agreement at the same rent and in all other aspects, subject to the terms, convenants and conditions of this by either party giving thirty(30) days' notice to the other party.

XVI.Governing Law

16.1 This Agreement shall be read, construed, interpreted and governed by the laws, regulations, procedures and directives of the Republic of the Union of Myanmar.

XVII.Renegotiation

17.1 In the event that any situation or condition arises due to circumstances not envisaged in the Agreement and warrants amendments to the Agreement, the Parties shall negotiate with a view to make the necessary amendments.

17.2 If laws or regulations which concerned with the Project are enacted or amended by the Government, the Parties may amend this Agreement according to such enactment or amendment so as to make this Agreement complied with the laws and regulations in force.

17.3 Any amendment, supplement or revisions shall not be effective unless it is in writing and signed by authorized representatives of the Parties.

XVIII. PROTECTION OF ENVIRONMENT

18 .1 According to the existing Law of the Republic of the Union of Myanmar, the Lessee shall be responsible for the preservation of environment at and around the area of the Site and shall prevent pollution of air, water and land and other environmental degradation. The Lessee shall take necessary measures in order to fulfill environmental protection requirements such as installation of the waste water treatment plant and other treatment procedures to keep the Site environmentally friendly.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first above written.

Lessor: **Date**

MYANMAR ECONOMIC HOLDINGS LIMITED

By____________________________ ____________________

Lessee: **Date**

LONGWIN GLOBAL PETROCHEMICAL COMPANY LIMITED

By____________________________ ____________________

Witness **Date**

____________________________ _____________________

[Name of Witness and Title of Witness's Official]

Exhibit A

Leased Property Map and Description of the Leased Property

[Please See the Attached]

Exhibit B

[Documents related to the land ownership]

To

Chairman

Myanmar Investment Commission

The Republic of the Union of Myanmar

Reference No. ....

Date: ....

Subject Matter: **Application for Land Lease or Land Use to operate the investment**

I herewith apply for land lease or land use to operate the investment in accordance with Foreign Investment Rules Paragraph (31-35) enclosed with the following particulars.

1. Particulars relating to the original owner of land and building

(a) Name of the owner/organization: Myanma Economic Holdings Limited

(b) Area: 733.3 acres

(c) Location: Laugnlon Township, Dawei, Tanintharyi Region, Myanmar

(d) Period of original permit (Duration of land lease grant): ....

(e) Subscribe or not on long-term lease fees as a capital: Not

(f) Agree or not by the original lesser: Agree

2. Lessor

(a) Name/Company Name/Department/Organization:

Myanma Economic Holdings Limited

(b) National Registration No.: No. 28 of 1990-1991

(c) Address:189-191 Mahabandoola Road, Botataung Township, Yangon Myanmar

3. Lessee

(a) Name/Company Name/Department/Organization:

Longwin Global Petrochemical Company Limited

(b) National Registration No./Passport No.: (to be incorporated in Myanmar)

(c) Nationality: (to be incorporated in Myanmar)

(d) Address: (company to be incorporated in Myanmar, address to be decided)

4. Particulars of land and building to lease

(a) Type of investment: Refinery project

(b) Place of investment: Laugnlon Township, Dawei, Tanintharyi Region, Myanmar

(c) Area: 733.3 acres

(d) Size/quantity of building: (land lease only, no building)

(e) Value of land/building: ....

5. To submit the agreement of lease (Draft) (if in case of governmental organization, to submit the remarks of the Union Attorney General Office):

Please refer to Annex-12-1-Draft of Land Lease Agreement-MEHL (Blocks 1 & 3-6)

6. Rate for lease (for one meter square for one year): USD 0.5 per square meter

7. Land use premium (LUP) (If in case of lease of governmental organization owned land, ask for LUP in cash from the lessee.)

Rate on each acre:

(not the case of lease of governmental organizational owned land)

8. Agree or not by the original land lease holder or land use holder for lease: Agree

9. Period to sub-lease: According to the Land Lease Agreement, with the prior written consent of the Lessor, the Lessee shall have the right to sublease.

Applicant

Investor/Promoter

1. Main feedstock

Feedstock	Density (kg/m^3)	Feedstock weight MTA	Price (USD/barrel)	Amount（USD）	Feedstock volume m^3/Y
Iran (heavy)	877	2	91.11	1306770508.38	2280501.71
Iran (light)	859.4	3	95.98	2107218287.44	3490807.54
Total		5		3413988795.82	5771309.251

Note：the crude oil volume is calculated as 1 barrel equals to 0.159 cubic meter.

2. Auxiliary raw material

Product name	Model or specification	Annual consumption (t)	Price（USD/t）	Amount（USD）	Remarks
1)FCC unit					
Catalyst		1400	2857.14	4000000.00	
CO Combustion improver	pt:0.05%	3.5	26063.49	91222.22	
Scale inhibitor		13	2507.94	32603.17	
Passivator		18	2952.38	53142.86	
30% caustic solution		4225	134.92	570039.68	
	Total			4747007.94	
2)Reforming Unit					
Reforming catalyst	PS-VI Or equivalent	2.3	44444.44	102222.22	
Tetrachloroethylene	For industrial use	20.2	3492.06	70539.68	
Corrosion inhibitor	SF-121D	2.4	5714.29	13714.29	
	Total			186476.19	
3)FCC gasoline hydrotreating unit					
Protective agent	RGO-3	10.4	16666.67	173333.33	Lifespan 3 years for one loading
Catalyst	RSDS-21	9.37	26190.48	245404.76	Regeneration period 3 years, total lifespan 8 years, for one

	RSDS-22	1.77	293650.79	519761.90	Regeneration period 3 years, total lifespan 8 years, for one
Ceramic ball	Φ3、Φ6、Φ13	10.2	1269.84	12952.38	Lifespan 3 years for one loading
Vulcanizator	DMDS	5	3968.25	19841.27	One dose for commencement of operation
Corrosion inhibitor		10	4523.81	45238.10	Annual consumption
	Total			1016531.75	
4)FCC diesel hydrotreating unit					
Protective agent	RG-1	5	17460.32	87301.59	Lifespan 3 years for one loading
Catalyst	RS-2000	166.5	19841.27	3303571.43	Regeneration period 3 years, total lifespan 9 years, for one
Ceramic ball		32	1269.84	40634.92	Lifespan 3 years for one loading
Corrosion inhibitor		18	4523.81	81428.57	Annual consumption
inhibitor for scale & corrosion		10	4523.81	45238.10	Annual consumption
Scale inhibitor		150	2539.68	380952.38	Annual consumption
DMDS		40	3968.25	158730.16	One dose for commencement of operation
	Total			4097857.14	
5)Jet fuel hydrotreating unit					
Catalyst	RSS-2	12	21428.57	257142.86	One loading
Protective agent	RGO-1	1.2	20000.00	24000.00	One loading
Ceramic ball	Φ3、Φ6、Φ13	5.1	1269.84	6476.19	One loading
Corrosion inhibitor		5.6	4523.81	25333.33	Annual consumption
DMDS		2.5	3968.25	9920.63	One loading
Antistatic agent		1	21746.03	21746.03	Annual consumption

Antioxidant		15	4761.90	71428.57	
Antiwear additive		15	2857.14	42857.14	
	Total			458904.76	One loading
Grand Total			10506777.78		

total cost for production raw materials	3424495573.60

List of Generators						
No.	Title	Q'ty	Model or Power	Unit Price （USD）	Total (USD)	Use
1	Double-extraction condensing turbine generator	4	CC25-8.83/3.43/0.981 25000kw	4160000	16640000	Power generation in power plan
2	Diesel generator	2	Imported Mercedes 2400KW	620000	1240000	1st starting power or emergency power
3	Diesel generator	8	Imported 1800KW	400000	3200000	
	Total	14			21080000	

List of Foreign Personnel (Job Description and Salaries)

1st Year Commercial Operation

NO.	Position	Job Description	Foreigners	Salary per Foreign Employee (Including Foreign Allowance，usd/y）		Term of Employment	Accompanying Family Members
				from	to		
1	General Manager	1. University or Higher Education;2. at least 10 yearsof petrochemical industry comprehensive management experience;3. familiar with management of oil refinery's personnel, finance and assets ;4. at least 3 years experience as Director or above of petrochemical enterprise or project	1	35000.00	80000.00	5-30years	estimate as 10% of total foreign personnel required, around 22.
2	Deputy General Manager	1. University or Higher Education;2. at least 8 yearsexperience of enterprise management in petrochemical industry;3. familiar with finance, production, sale or technology management of petrochemical industry;4. have management experience of similar level	2	30000.00	70000.00		
3	Chief Engineer	1. University or Higher Education;2. at least 10 years technology management experience in refinery;3. familiar with petrochemical industry and especially with refinery technology ;4. at least 3 years experience as Vice Chief Engineer or above in refinery.	1	28000.00	65000.00		
4	Vice Chief Engineer	1. University or Higher Education;2. at least 10 years of management experience in petrochemical industry ;3. familiar with petrochemical industry and especially with refinery technology ;4. at least 3 years experience as Vice Chief Engineer or above in refinery.	2	25000.00	65000.00		
5	Director	1. University or Higher Education;2. at least 10 years of management experience in petrochemical industry ;3. familiar with management of petrochemical industry especially refinery	3	25000.00	70000.00		
6	Manager	1. College or higher education ;2. at least 5 years experience of Manager or above in related departments;3. at least 2 years of management experience; 4. Good in English will be preferred	12	20000.00	55000.00		
7	Senior Engineer	1. College or Higer Education ;2. at least 8 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	25	15000.00	45000.00		

8	Engineer	1. College or Higer Education ;2. at least 5 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	30	10000.00	40000.00		
9	Senior Technical Personnel	1. College or Higer Education ;2. at least 3 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	50	9000.00	35000.00		
10	Experienced Technical Personnel	1. Technical Secondary School or Higer Education ;2. at least 2 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	50	7000.00	30000.00	3-5years	estimate as 10% of total foreign personnel required, around 22.
11	Junior Technical Personnel	1. College or Higer Education ;2. at least 2 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	30	5000.00	20000.00		
12	Other Personnel	1. College or Higer Education in relevant fields needed for the posts;2. at least 2 years working experience	10	6000.00	25000.00		
Total			**216**				**22**
Number of Foreigners required (Precentage of total personnel)			**24.00%**				

List of Local Personnel (Job Description and Salaries)

1st Year Commercial Operation

NO.	Position	Job Description	Number of Local Personnel required	Salary per Local Personnel（usd/y）	
				from	to
1	Deputy General Manager	1. University or Higher Education;2. at least 8 yearsexperience of enterprise management in petrochemical industry;3. familiar with finance, production, sale or technology management ofpetrochemical industry;4. have management experience of similar level	3	7500.00	15000.00
2	Lawyer	1. Graduate or Higer Education ;2. at least 3 years foreign related legal experience ;3. Fluent in Chinese and English or Chinese and Myanmar;4. familiar with legal knowledge in engineering, investment, trading and etc.	2	4000.00	8000.00

3	Interpreter	1. College or Higer Education ;2. excellent in Chinese and English or Chinese and Myanmar;3. 22-40 years old;4. experience of interpreter will be preferred	8	3000.00	7000.00
4	Senior Technical Personnel	1. College or Higer Education ;2. at least 3 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	100	4000.00	8000.00
5	Experience d Technical Personnel	1. Technical Secondary School or Higer Education ;2. at least 2 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	100	3800.00	7800.00
6	Junior Technical Personnel	1. College or Higer Education ;2. at least 2 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	150	3500.00	7500.00
7	Sales Representa tive	1. College or Higer Education ;2. at least 3 yearsexperience of sales in petrochemical industry;3. Hard-working,capable of traveling work;4. Fluent in English & Myanmar or Chinese & Myanmar	4	3000.00	7000.00
8	HR	1. University or Higher Education;2. at least 3 yearsexperience of HR in petrochemical or similar industry;3. Fluent in English & Myanmar or Chinese & Myanmar.	3	3000.00	7000.00
9	Financial Staff	1. University or Higher Education;2. at least 3 yearsexperience of finance in petrochemical or similar industry;3. Fluent in English & Myanmar or Chinese & Myanmar.	3	3000.00	7000.00
10	Driver	1. have driver license;2. 24-40 years old;3. at least 3 yearsexperience of driving;4. no reacod of major driving negligence ;5. Capability of English & Myanmar or Chinese & Myanmar will be preferred.	6	3000.00	7000.00
11	Security	1. High School or Higer Education ;2. at least 1 yearexperience as security guard; 3. height of 1.7 meters or above;4. Basic English or Chinese	40	2500.00	6000.00

12	Fire Protection Staff	1. Technical Secondary School or Higer Education and have basic fire protection knowledge;2. at least 3 yearsexperience of fire protection, have operation certificate for fire protection and veteran will be preferred; 3. capable of correctly using equipment for fire protection and familiar with various fire protection skills and methods and capable of fire fighting; 4. physically fit and capable of the position ;5. Capability of English & Myanmar or Chinese & Myanmar will be preferred.	15	2500.00	6000.00
13	apprentice	1. College and higher education，major in Petroleum, Chemistry or other related area;2. at least 1 yearexperience as production workers in petrochemical or similar industry;3. strong learning capability, savvy and self-motivated; 4. physically fit and capable of the position ;5. Capability of English & Myanmar or Chinese & Myanmar will be preferred.	200	2500.00	6000.00
14	general worker	1. Technical Secondary School or Higer Education ;2. 1 year experience as production workers;3. strong learning capability, savvy and self-motivated; 4. physically fit and capable of the position ;5. Capability of English & Myanmar or Chinese & Myanmar will be preferred.	40	2000.00	5000.00
15	Others	1. University or Higher Education;2. at least 3 yearsexperience required for relevant position in petrochemical or similar industry;3. Fluent in English & Myanmar or Chinese & Myanmar.	10	2000.00	5000.00
Total			**684**		
Local Personnel Required (Precentage of total personnel)			**76.00%**		

List of Foreign Personnel (Job Description and Salaries)

3rd Year Commercial Operation

NO.	Position	Job Description	Number of Foreigners required	Salary per Foreign Employee (Including Foreign Allowance，usd/y）		Term of Employment	Accompanying Family Members
				from	to		
1	General Manager	1. University or Higher Education;2. at least 10 yearsof petrochemical industry comprehensive management experience;3. familiar with management of oil refinery's personnel, finance and assets ;4. at least 3 years experience as Director or above of petrochemical enterprise or project	1	36750.00	84000.00	5-30years	estimate as 10% of total foreign personnel required, around 18.

2	Deputy General Manager	1. University or Higher Education;2. at least 8 yearsexperience of enterprise management in petrochemical industry;3. familiar with finance, production, sale or technology management ofpetrochemical industry;4. have management experience of similar level	1	31500.00	73500.00	5-30years	estimate as 10% of total foreign personnel required, around 18.
3	Chief Engineer	1. University or Higher Education;2. at least 10 yearstechnology management experience in refinery;3. familiar with petrochemical industry and especially with refinery technology ;4. at least 3 years experience as Vice Chief Engineer or above in refinery.	1	29400.00	68250.00		
4	Vice Chief Engineer	1. University or Higher Education;2. at least 10 years of management experience in petrochemical industry ;3. familiar with petrochemical industry and especially with refinery technology ;4. at least 3 years experience as Vice Chief Engineer or above in refinery.	2	26250.00	68250.00		
5	Director	1. University or Higher Education;2. at least 10 years of management experience in petrochemical industry ;3. familiar with management of petrochemical industry especially refinery	3	26250.00	73500.00		
6	Manager	1. College or higher education ;2. at least 5 years experience of Manager or above in related departments;3. at least 2 years of management experience; 4. Good in English will be preferred	12	21000.00	57750.00		
7	Senior Engineer	1. College or Higer Education ;2. at least 8 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	20	15750.00	47250.00		
8	Engineer	1. College or Higer Education ;2. at least 5 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	25	10500.00	42000.00		
9	Senior Technical Personnel	1. College or Higer Education ;2. at least 3 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	50	9450.00	36750.00		

10	Experienced Technical Personnel	1. College or Higer Education ;2. at least 3 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	50	7350.00	31500.00	5-30years	estimate as 10% of total foreign personnel required, around 18.
11	Other Personnel	1. College or Higer Education ; 2. Relevant speciality conforming to the position requirements, 2 years and more relevant work experience	10	5250.00	21000.00		
Total			175				**18**
Number of Foreigners required (Precentage of total personnel)			**20.86%**				

List of Local Personnel (Job Description and Salaries)

3rd Year Commercial Operation

NO.	Position	Job Description	Number of Local Personnel required	Salary per Local Personnel（usd/y）	
				from	to
1	Deputy General Manager	1. University or Higher Education;2. at least 8 yearsexperience of enterprise management in petrochemical industry;3. familiar with finance, production, sale or technology management ofpetrochemical industry;4. have management experience of similar level	3	7875.00	15750.00
2	Lawyer	1. Graduate or Higer Education ;2. at least 3 years foreign related legal experience ;3. Fluent in Chinese and English or Chinese and Myanmar;4. familiar with legal knowledge in engineering, investment, trading and etc.	2	4200.00	8400.00
3	Interpreter	1. College or Higer Education ;2. excellent in Chinese and English or Chinese and Myanmar;3. 22-40 years old;4. experience of interpreter will be preferred	8	3150.00	7350.00
4	Senior Technical Personnel	1. College or Higer Education ;2. at least 3 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	120	4200.00	8400.00
5	Experienced Technical Personnel	1. Technical Secondary School or Higer Education ;2. at least 2 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	130	3990.00	8190.00

6	Junior Technical Personnel	1. College or Higer Education ;2. at least 2 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	200	3675.00	7875.00
7	Sales Representative	1. College or Higer Education ;2. at least 3 yearsexperience of sales in petrochemical industry;3. Hard-working,capable of traveling work;4. Fluent in English & Myanmar or Chinese & Myanmar	4	3150.00	7350.00
8	HR	1. University or Higher Education;2. at least 3 yearsexperience of HR in petrochemical or similar industry;3. Fluent in English & Myanmar or Chinese & Myanmar.	3	3150.00	7350.00
9	Financial Staff	1. University or Higher Education;2. at least 3 yearsexperience of finance in petrochemical or similar industry;3. Fluent in English & Myanmar or Chinese & Myanmar.	3	3150.00	7350.00
10	Driver	1. have driver license;2. 24-40 years old;3. at least 3 yearsexperience of driving;4. no reacod of major driving negligence ;5. Capability of English & Myanmar or Chinese & Myanmar will be preferred.	6	3150.00	7350.00
11	Security	1. High School or Higer Education ;2. at least 1 yearexperience as security guard; 3. height of 1.7 meters or above;4. Basic English or Chinese	40	2625.00	6300.00
12	Fire Protection Staff	1. Technical Secondary School or Higer Education and have basic fire protection knowledge;2. at least 3 yearsexperience of fire protection, have operation certificate for fire protection and veteran will be preferred; 3. capable of correctly using equipment for fire protection and familiar with various fire protection skills and methods and capable of fire fighting; 4. physically fit and capable of the position ;5. Capability of English & Myanmar or Chinese & Myanmar will be preferred.	15	2625.00	6300.00

13	apprentice	1. College and higher education，major in Petroleum, Chemistry or other related area;2. at least 1 yearexperience as production workers in petrochemical or similar industry;3. strong learning capability, savvy and self-motivated; 4. physically fit and capable of the position ;5. Capability of English & Myanmar or Chinese & Myanmar will be preferred.	80	2625.00	6300.00
14	general worker	1. Technical Secondary School or Higer Education ;2. 1 year experience as production workers;3. strong learning capability, savvy and self-motivated; 4. physically fit and capable of the position ;5. Capability of English & Myanmar or Chinese & Myanmar will be preferred.	40	2100.00	5250.00
15	Others	1. University or Higher Education;2. at least 3 yearsexperience required for relevant position in petrochemical or similar industry;3. Fluent in English & Myanmar or Chinese & Myanmar.	10	2100.00	5250.00
Total			**664**		
Local Personnel Required (Precentage of total personnel)			**79.14%**		

List of Foreign Personnel (Job Description and Salaries)

5th Year Commercial Operation

NO.	Position	Job Description	Number of Foreigners required	Salary per Foreign Employee (Including Foreign Allowance，		Term of Employment	Accompanying Family Members
				from	to		
1	General Manager	1. University or Higher Education;2. at least 10 yearsof petrochemical industry comprehensive management experience;3. familiar with management of oil refinery's personnel, finance and assets ;4. at least 3 years experience as Director or above of petrochemical enterprise or project	1	38587.50	88200.00	5-30years	estimate as 10% of total foreign personnel required, around 16.
2	Deputy General Manager	1. University or Higher Education;2. at least 8 yearsexperience of enterprise management in petrochemical industry;3. familiar with finance, production, sale or technology management ofpetrochemical industry;4. have management experience of similar level	2	33075.00	77175.00		
3	Chief Engineer	1. University or Higher Education;2. at least 10 yearstechnology management experience in refinery;3. familiar with petrochemical industry and especially with refinery technology ;4. at least 3 years experience as refinery Vice Chief Engineer or above level.	1	30870.00	71662.50		

4	Vice Chief Engineer	1. University or Higher Education;2. at least 10 years of management experience in petrochemical industry ;3. familiar with petrochemical industry and especially with refinery technology ;4. at least 3 years experience as refinery Vice Chief Engineer or above level.	2	27562.50	71662.50	5-30years	estimate as 10% of total foreign personnel required, around 16.
5	Director	1. University or Higher Education;2. at least 10 years of management experience in petrochemical industry ;3. familiar with management of petrochemical industry especially refinery	3	27562.50	77175.00		
6	Manager	1. College or higher education ;2. at least 5 years experience of Manager or above in related departments;3. at least 2 years of management experience; 4. Good in English will be preferred	12	22050.00	60637.50		
7	Senior Engineer	1. College or Higer Education ;2. at least 8 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	20	16537.50	49612.50		
8	Engineer	1. College or Higer Education ;2. at least 5 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	20	11025.00	44100.00		
9	Senior Technical Personnel	1. College or Higer Education ;2. at least 5 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	50	9922.50	38587.50		
10	Experienced Technical Personnel	1. College or Higer Education ;2. at least 3 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	40	7717.50	33075.00		
11	Other Personnel	1. College or Higer Education ; 2. Relevant speciality conforming to the position requirements, 2 years and more relevant work experience	8	5512.50	22050.00		
Total			159				16
Number of Foreigners required (Precentage of total personnel)			**17.67%**				

List of Local Personnel (Job Description and Salaries)

5th Year Commercial Operation

NO.	Position	Job Description	Number of Local Personnel required	Salary per Local Personnel（usd/y）	
				from	to
1	Deputy General Manager	1. University or Higher Education;2. at least 8 yearsexperience of enterprise management in petrochemical industry;3. familiar with finance, production, sale or technology management ofpetrochemical industry;4. have management experience of similar level	3	8268.75	16537.50
2	Lawyer	1. Graduate or Higer Education ;2. at least 3 years foreign related legal experience ;3. Fluent in Chinese and English or Chinese and Myanmar;4. familiar with legal knowledge in engineering, investment, trading and etc.	2	4410.00	8820.00
3	Interpreter	1. College or Higer Education ;2. excellent in Chinese and English or Chinese and Myanmar;3. 22-40years old;4. experience of interpreter will be preferred	8	3307.50	7717.50
4	Engineer	1. College or Higer Education ;2. at least 5 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	20	5000.00	10000.00
5	Senior Technical Personnel	1. College or Higer Education ;2. at least 3 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	120	4410.00	8820.00
6	Experienced Technical Personnel	1. Technical Secondary School or Higer Education ;2. at least 2 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	120	4189.50	8599.50
7	Junior Technical Personnel	1. College or Higer Education ;2. at least 2 yearsworking experience in refinery or petrochemical industry with great preformance in at least one specialized field; 3. have relevant professional skills	150	3858.75	8268.75
8	Sales Representative	1. College or Higer Education ;2. at least 3 yearsexperience of sales in petrochemical industry;3. Hard-working,capable of traveling work;4. Fluent in English & Myanmar or Chinese & Myanmar	4	3307.50	7717.50

9	HR	1. University or Higher Education;2. at least 3 yearsexperience of HR in petrochemical or similar industry;3. Fluent in English & Myanmar or Chinese & Myanmar.	3	3307.50	7717.50
10	Financial Staff	1. University or Higher Education;2. at least 3 yearsexperience of finance in petrochemical or similar industry;3. Fluent in English & Myanmar or Chinese & Myanmar.	3	3307.50	7717.50
11	Driver	1. have driver license;2. 24-40 years old;3. at least 3 yearsexperience of driving;4. no reacod of major driving negligence ;5. Capability of English & Myanmar or Chinese & Myanmar will be preferred.	6	3307.50	7717.50
12	Security	1. High School or Higer Education ;2. at least 1 yearexperience as security guard; 3. height of 1.7 meters or above;4. Basic English or Chinese	40	2756.25	6615.00
13	Fire Protection Staff	1. Technical Secondary School or Higer Education and have basic fire protection knowledge;2. at least 3 yearsexperience of fire protection, have operation certificate for fire protection and veteran will be preferred; 3. capable of correctly using equipment for fire protection and familiar with various fire protection skills and methods and capable of fire fighting; 4. physically fit and capable of the position ;5. Capability of English & Myanmar or Chinese & Myanmar will be preferred.	15	2756.25	6615.00
14	apprentice	1. College and higher education，major in Petroleum, Chemistry or other related area;2. at least 1 yearexperience as production workers in petrochemical or similar industry;3. strong learning capability, savvy and self-motivated; 4. physically fit and capable of the position ;5. Capability of English & Myanmar or Chinese & Myanmar will be preferred.	50	2756.25	6615.00
15	general worker	1. Technical Secondary School or Higer Education ;2. 1 year experience as production workers;3. strong learning capability, savvy and self-motivated; 4. physically fit and capable of the position ;5. Capability of English & Myanmar or Chinese & Myanmar will be preferred.	40	2205.00	5512.50
16	Others	1. University or Higher Education;2. at least 3 yearsexperience required for relevant position in petrochemical or similar industry;3. Fluent in English & Myanmar or Chinese & Myanmar.	10	2205.00	5512.50
Total			**594**		
Local Personnel Required (Precentage of total personnel)			**78.88%**		

Revenue Estimate

Unit:10，000.00 USD

Entry	Project Title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Total operating revenue	323,305	404,132	404,132	404,132	404,132	404,132	404,132	404,132	404,132	404,132	404,132	404,132	404132	404132	404,132
1.1	89# gasoline	28,059	35,074	35,074	35,074	35,074	35,074	35,074	35,074	35,074	35,074	35,074	35,074	35074	35074	35,074
1.2	92# gasoline	73,148	91,435	91,435	91,435	91,435	91,435	91,435	91,435	91,435	91,435	91,435	91,435	91435	91435	91,435
1.3	95# gasoline	8,225	10,282	10,282	10,282	10,282	10,282	10,282	10,282	10,282	10,282	10,282	10,282	10282	10282	10,282
1.4	Aviation kerosene	31,604	39,505	39,505	39,505	39,505	39,505	39,505	39,505	39,505	39,505	39,505	39,505	39505	39505	39,505
1.5	Euro IV diesel	112,662	140,827	140,827	140,827	140,827	140,827	140,827	140,827	140,827	140,827	140,827	140,827	140827	140827	140,827
1.6	LPG	17,517	21,896	21,896	21,896	21,896	21,896	21,896	21,896	21,896	21,896	21,896	21,896	21896	21896	21,896
1.7	Propane	933	1,166	1,166	1,166	1,166	1,166	1,166	1,166	1,166	1,166	1,166	1,166	1166	1166	1,166
1.8	Propylene	9,381	11,726	11,726	11,726	11,726	11,726	11,726	11,726	11,726	11,726	11,726	11,726	11726	11726	11,726
1.9	Asphalt	8,721	10,902	10,902	10,902	10,902	10,902	10,902	10,902	10,902	10,902	10,902	10,902	10902	10902	10,902
1.1	Asphalt (for export)	7,740	9,675	9,675	9,675	9,675	9,675	9,675	9,675	9,675	9,675	9,675	9,675	9675	9675	9,675
1.11	Sulfur(for export)	660	825	825	825	825	825	825	825	825	825	825	825	825	825	825
1.12	Fuel oil (for export)	24,656	30,820	30,820	30,820	30,820	30,820	30,820	30,820	30,820	30,820	30,820	30,820	30820	30820	30,820
2	Commodity tax	12,361	15,451	15,451	15,451	15,451	15,451	15,451	15,451	15,451	15,451	15,451	15,451	15451	15451	15,451
2.1	Output tax	26,728	33,410	33,410	33,410	33,410	33,410	33,410	33,410	33,410	33,410	33,410	33,410	33410	33410	33,410
2.2	Input tax	14,367	17,959	17,959	17,959	17,959	17,959	17,959	17,959	17,959	17,959	17,959	17,959	17959	17959	17,959

Total Cost Estimate

Unit:10，000.00 USD

Entry	Project Title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Manufacture cost	306,538	378,030	378,030	378,030	378,030	378,030	378,030	378,030	378,030	378,030	378,030	378,030	378,030	378,030	378,030
1.1	Feedstock	284,110	355,137	355,137	355,137	355,137	355,137	355,137	355,137	355,137	355,137	355,137	355,137	355,137	355,137	355,137
1.2	Auxiliary material	1,618	2,023	2,023	2,023	2,023	2,023	2,023	2,023	2,023	2,023	2,023	2,023	2,023	2,023	2,023
1.3	Fuel and power	240	300	300	300	300	300	300	300	300	300	300	300	300	300	300
1.4	Salary and surcharge	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450
1.5	Manufacture cost	20,120	20,120	20,120	20,120	20,120	20,120	20,120	20,120	20,120	20,120	20,120	20,120	20,120	20,120	20,120
1.5.1	Depreciation	14,633	14,633	14,633	14,633	14,633	14,633	14,633	14,633	14,633	14,633	14,633	14,633	14,633	14,633	14,633
1.5.2	Maintenance cost	5,217	5,217	5,217	5,217	5,217	5,217	5,217	5,217	5,217	5,217	5,217	5,217	5,217	5,217	5,217
1.5.3	Other fabrication cost	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270
2	Management cost	1,684	1,684	1,684	1,684	1,684	1,358	1,358	1,358	1,358	1,358	1,285	1,285	1,285	1,285	1,285
2.1	Amortization of intangible assets	73	73	73	73	73	73	73	73	73	73					
2.2	Amortization of other assets	326	326	326	326	326										
2.3	Other management cost	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450
2.4	Insurance premium for fixed assets	835	835	835	835	835	835	835	835	835	835	835	835	835	835	835

3	Financial cost	13,766	12,502	10,938	9,374	7,809	6,245	4,681	3,116	1,552	1,552	1,552	1,552	1,552	1,552	1,552
3.1	Interest of long term loan	12,515	10,950	9,386	7,822	6,257	4,693	3,129	1,564	-	-	-	-			
3.2	Interest of working capital	1,251	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552
4	Operating cost	1,617	2,021	2,021	2,021	2,021	2,021	2,021	2,021	2,021	2,021	2,021	2,021	2,021	2,021	2,021
5	Total cost	323,603	394,236	392,672	391,108	389,543	387,653	386,089	384,525	382,960	382,960	382,887	382,887	382,887	382,887	382,887
5.1	In which: Fixed cost	37,635	36,776	35,212	33,648	32,083	30,193	28,629	27,065	25,500	25,500	25,427	25,427	25,427	25,427	25,427
5.2	Variable cost	285,968	357,460	357,460	357,460	357,460	357,460	357,460	357,460	357,460	357,460	357,460	357,460	357,460	357,460	357,460
6	Operating cost	294,806	366,702	366,702	366,702	366,702	366,702	366,702	366,702	366,702	366,702	366,702	366,702	366,702	366,702	366,702

Unit:10，000.00 USD

Net Profit

Entry	Project Title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Operating revenue	323,305	404,132	404,132	404,132	404,132	404,132	404,132	404,132	404,132	404,132	404,132	404,132	404,132	404,132	404,132
2	Total cost	323,603	394,236	392,672	391,108	389,543	387,653	386,089	384,525	382,960	382,960	382,887	382,887	382,887	382,887	382,887
3	Total profit	-298	9,895	11,460	13,024	14,588	16,478	18,043	19,607	21,171	21,171	21,244	21,244	21,244	21,244	21,244
4	Makeup loss in previous year		298													
5	Income tax payable		9,597	11,460	13,024	14,588	16,478	18,043	19,607	21,171	21,171	21,244	21,244	21,244	21,244	21,244
6	Income tax						4,120	4,511	4,902	5,293	5,293	5,311	5,311	5,311	5,311	5,311
7	Net profit	-298	9,895	11,460	13,024	14,588	12,359	13,532	14,705	15,878	15,878	15,933	15,933	15,933	15,933	15,933

Unit:10，000.00 USD

Loan Repayment Schedule

Entry	Item Title	1	2	3	4	5	6	7	8
1	Equal repayment of original loan								
1.1	Opening loan balance	186,435	163,130	139,826	116,522	93,217	69,913	46,609	23,304
1.2	Current amount for repayment of principal and interest payment	35,819	34,255	32,690	31,126	29,562	27,997	26,433	24,869
1.3	Payable interest in current year	12,515	10,950	9,386	7,822	6,257	4,693	3,129	1,564
1.4	Repayment of principal in current year	23,304	23,304	23,304	23,304	23,304	23,304	23,304	23,304
1.5	Closing loan balance	163,130	139,826	116,522	93,217	69,913	46,609	23,304	-
1.6	Short term loan in current year	8,571							
1.7	Payable interest for short term	575							
	loan in current year								
1.8	Repayment of short term loan in current year		9,146						

Unit:10，000.00 USD

Payback period of investment & Internal Rate of Return(IRR)

Entry	Project Title	Total	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Cash inflow	6,514,029				350,034	437,542	437,542	437,542	437,542	437,542	437,542	437,542	437,542	437,542	437,542	437542	437542	437,542	475,948
1.1	Product operating revenue	5,981,148				323,305	404,132	404,132	404,132	404,132	404,132	404,132	404,132	404,132	404,132	404,132	404132	404132	404,132	404,132
1.2	Commodity tax output tax	494,474				26,728	33,410	33,410	33,410	33,410	33,410	33,410	33,410	33,410	33,410	33,410	33410	33410	33,410	33,410
1.3	Residue of fixed assets recovered	6,788																		6,788
1.4	Recovered working capital	31,617																		31,617
2	Cash outflow	6,165,756	63,308	84,410	63,308	347,017	406,248	400,113	400,113	400,113	400,113	400,113	400,113	400,113	400,113	400,113	400113	400113	400,113	400,113
2.1	Construction investment	211,025	63,308	84,410	63,308															
2.2	Working capital	31,617				25,482	6,135													
2.3	Operating cost	5,428,639				294,806	366,702	366,702	366,702	366,702	366,702	366,702	366,702	366,702	366,702	366,702	366702	366702	366,702	366,702
2.4	Operating tax and surcharges																			
2.5	Commodity tax input tax	265,795				14,367	17,959	17,959	17,959	17,959	17,959	17,959	17,959	17,959	17,959	17,959	17959	17959	17,959	17,959
2.6	Commodity tax	228,679				12,361	15,451	15,451	15,451	15,451	15,451	15,451	15,451	15,451	15,451	15,451	15451	15451	15,451	15,451
3	Net cash flow before income tax	348,273	-63,308	-84,410	-63,308	3,017	31,294	37,429	37,429	37,429	37,429	37,429	37,429	37,429	37,429	37,429	37429	37429	37,429	75,835
4	Cumulative net cash flow before income tax	348,273	-63,308	-147,718	-211,025	-208,008	-176,714	-139,285	-101,855	-64,426	-26,997	10,433	47,862	85,291	122,720	160,150	197579	235008	272,438	348,273
5	Adjusted income tax	56,900									5,681	5,681	5,681	5,681	5,681	5,699	5699	5699	5,699	5,699
6	Net cash flow	291,373	-63,308	-84,410	-63,308	3,017	31,294	37,429	37,429	37,429	31,748	31,748	31,748	31,748	31,748	31,730	31730	31730	31,730	70,136
7	Cumulative net cash flow	291,373	-63,308	-147,718	-211,025	-208,008	-176,714	-139,285	-101,855	-64,426	-32,678	-929	30,819	62,568	94,316	126,046	157,777	189,507	221,237	291,373

Calculating indicator :	Before income tax	After income tax	
FIRR :	11.35	10.18	%
Investment recovery period (static)	9.72	10.03	year

Compensation programme for environmental impact

1. Marine Ecology

Now, eco-compensation measures include: basic capacity supplement construction and maintenance, such as resource enhancement and releasing, construction of artificial reef, increase of bottom breeding, construction of protection zone, survey and monitoring of supplement resource, and the recovery method of biological diversity. Specific compensation method is decided through negotiation with local fisheries bureau to classify the compensation amount, planning and specific implementation unit.

Construction and operation of project will cause certain damage on marine ecological environment and loss of marine organism. Project Company shall provide appropriate economic compensation according to degree of impact. Economic loss to marine biological resource of the project is specified intable 1, but the final amount of compensation should be based on the actual occurrence amount.

Table1 Losses of Marine Biomass for Terminal Construction and Operation

Stage	Biomass Type	Biomass (kg)	Economic Loss (USD)	Total (USD)
Sea occupation by hydraulic structures	Coral reef	255.92	281512	435927.2
	Sea-grass	51.18	56302	
	Macrobenthos	9.434	7547.2	
	Plankton	56.6	90566	
Dredging and reef blasting during construction	Coral reef	93.66	74928	238929.4
	Sea-grass	18.73	20605.2	
	Macrobenthos	18.87	7547.2	
	Plankton	84.91	135849	
During operation (maintenance dredging)	Sea-grass	6.24	6868.4	54667.1
	Macrobenthos	6.29	2515.7	
	Plankton	28.30	45283.0	
Total				729523.7

2. Land Ecology

After the project is completed, carry out greening in the administrative district, the main road side, living areas and other places, with the tree types selected considering for fire prevention and local vegetation species. The greening rate will reach 18% in refinery area, which gives compensation to the original vegetation occupation.

This project occupies the land of 191.72hm2 permanently and 17hm2 temporarily. The biomass loss of vegetation caused by land occupation and its monetary result are detailed in Table 2, but the final amount of compensation should be based on the actual occurrence amount.

Table 2 Schedule of Project Vegetation Loss

Type		Permanent Land Occupation Loss (t)	Temporary Land Occupation Loss (t)	Economic Loss (USD)
Refinery area	Agricultural loss	97705	—	78164
	Grassland loss	16912	—	1691.2
	Forest loss	708218	—	283287.2
Road and pipeline corridor area	Agricultural loss	67587	6000	58870
	Grassland loss	11699	4040	1574
	Forest loss	489908	3212	197248
Total				620833.9

3. Budget of Environmental Management and Monitoring

Preliminary environmental management and environmental monitoring budgets, see Table 3 to Table 6. Specific budget shall be finalized after negotiating with MOECAF, the local officials, NGOs and affected people.

Table 3 Investments Summary of Environmental Protection Measures

No.	Item	Investment (‘0000USD)	Percentage
1	Sewage treatment plant (including deodorizing system, sludge drying and Sewage discharge online detection system)	4449	At 100% of investment
2	Rainwater monitoring pool and emergency water pool	1139	At 100% of investment
3	FCC regeneration flue gas desulfurization	1213	At 100% of investment
4	Fuel gas recovery and flare system	817	At 150% of investment
5	Floating roof tank of storage and transport system	2434.2	At 10% of investment
6	Solid waste landfill	778	At 100% of investment
7	Groundwater anti-seepage	571	At 100% of investment
8	Noise control measures	40	At 20% of investment
9	Environmental monitoring and central laboratory	1387	At 100% of investment
Total		**12828.2**	

Notes: The investment for environmental protection listed in the table is based on Feasibility Study Report of the project.

Table 4 Investments Summary of Environmental Protection Measures

No.	Item	Percentage
1	Sewage pretreatment station of wastewaters from storage area and facilities	At 100% of investment
2	Sour water stripping unit	At 100% of investment
3	Refinery drainage pipeline and waste oil recycling	At 100% of investment

No.	Item	Percentage
4	FCC regeneration flue gas treatment	At 100% of investment
5	CCR regeneration flue gas treatment	At 100% of investment
6	Boiler flue gas desulfurization	At 100% of investment
7	Sulfur recovery tail gas treatment	At 100% of investment
8	Dry gas and LPG desulfurization and alkali waste treatment	At 100% of investment
9	Oil and gas recovery facility	At 100% of investment
10	Exhaust stack and chimney	At 50% of investment
11	Exhaust stack online monitoring system	At 100% of investment
12	Low nitrogen burner	At 100% of investment
13	Marine environmental risk prevention and emergency response measures	At 100% of investment
14	Noise control measures	At 20% of investment
15	Refinery greening	At 100% of investment
16	Mitigation measures during construction period (including mitigation measures for wastewater, noise, solid waste, waste gas, etc)	At 100% of investment
17	Maintenance of Coral Reefs and growing mangrove for seawater cleaning	At 100% of investment
18	Cost for shoreline development and control for fishery development	At 100% of investment
Total		**67303,000USD**

Notes:The investment for environmental protection listed in the table is estimated based on the experience and historical data, the actual cost will be adjusted accordingly.

Table 5 Annual Cost for Operation of Environmental Protection Facilities

No.	Category	Environmental Protection Facilities (Project)
1	Process System	Sulfur recovery unit
2		Dry gas desulfurization, LPG desulfurization unit, alkali waste treatment unit
3	Waste Gas Treatment	FCC dust removal facility
4		FCC flue gas desulfurization facility
5		Reforming unit regeneration flue gas treatment facility
6		Loading oil and gas recovery facility
7		Fuel gas recovery facility
8		Flare facility
9		Low nitrogen burner
10		Boiler flue gas desulfurization unit
11		Exhaust stack and chimney
12	Wastewater Treatment	Drain pipe network and sewage pipeline
13		Contaminated rainwater collection system
14		Emergency water collection system
15	Noise Control	Noise elimination, noise isolation, vibration reduction and other facilities
16	Solid Waste Treatment	Solid waste landfill

No.	Category	Environmental Protection Facilities (Project)
17	Sewage Treatment System	Sewage treatment plant
18		Rainwater monitoring pool and emergency wastewater collection pool
19	Others	Refinery greening
20		Online monitoring and emergency monitoring system
Total		23848,000USD

Note: The annual cost in the table is estimated based on the experience and historical data, the actual operating cost will be adjusted accordingly after the refinery is put in normal operation.

Table 6 Environmental Management and Environmental Monitoring Costs

No.	Category
1	Construction personnel and employee training
2	Audit
3	Environmental Monitoring (including construction period and operation period)
4	Environmental Supervision
Total	**787,000USD/year**

Note: The annual cost in the table is estimated based on the experience and historical data, the actual operating cost will be adjusted accordingly.

Water purification system and waste water treatment system

Water Purifying System

One Water Purifying Plant is built for the project, raw water flow rate is designed to be 1,300m3/h, design capacity for water supply is 1200m3/h including potable water supply capacity 100m3/h. The water quality of potable water supply shall comply with the *Standard for Drinking Water Quality (GB5749-2006).* The water quality of process water shall comply with the *Water Quality Standard for Water Supply and Drainage System for Petrochemical Industry (SH3099-2000).*

Process description for the Water Purifying Plant:

The raw water is fully mixed in the static mixer before it is sent to the folded-plate flocculating tank. The suspended substances are subject to hit and flocculation for many times in the folded-plate flocculating tank to generate bigger particles before the particles flows in gravity to the slope plate sedimentation tank. The suspended substances with bigger particles in the raw water are subject to sufficient separation time in the slope plate sedimentation for separating water from sludge in gravity and the separated sludge is drained out regularly via sludge pipe. Most particles in the raw water are removed in the sedimentation tank and the turbidity decreases to 5NTU before the raw water flows in gravity to the V-shaped filtration tank. The particles are subject to further interception and adsorption via thicker homogeneous quartz sand filter material in the filtration tank so that the raw water is further purified and the turbidity decreases to 3NTU. The water effluent from the filtration tank flows to the clean water tank, where it is split into two streams, i.e., one stream is lifted to the process water supply pipe header and the other stream is lifted to the filter for sterilization before it is pumped to the potable water pipe header.

Process flow diagram for the Water Purifying Plant is detailed in Figure 1 below:

Raw water → safety water tank → pipe mixer →flocculation tank, sedimentation tank → V-shaped filtration tank →clean water tank →process water header (via pump lift) or → filter (via pump lift) →sterilization→potable water header.

Figure 1 Process flow diagram for the Water Purifying Plant

1) Wastewater treatment measures

(1) The drainage system shall be properly classified and different types of wastewater shall be treated separately.

The drainage system of this project is provided based on the principle of separating clean and contaminated wastewater, separating different types of wastewater, treating the wastewater according to the types; different types of wastewater will be treated, recycled and discharged according to its property and treatment requirements.

(2) Sour water system

The sour water system collects the sour water produced in each plant (unit), the maximum discharge capacity is 79t/h; all such wastewater is sent to acidic water stripping plant for treatment. The acidic water stripping system operates in two trains; the design capacity for acidic water treatment from non-hydrogenation crude distillation unit, fluidized catalytic cracking and etc is 60t/h, and one tower pressurization full blow-out stripping process is adopted; most part of the stripped purified water is recycled to crude distillation unit, electric desalting and fluidized catalytic cracking units as rich gas scrubbing water, the remaining portion is sent to WWTP for treatment. The design capacity for acidic water treatment from FCC gasoline hydro-desulphurization, aviation kerosene hydrogenation, diesel hydrofining and etc is 30t/h, and one tower pressurization side-draw ammonia stripping process is adopted; the purified water from stripper is recycled to hydrogenation plant as makeup water, the remaining portion is sent to WWTP for treatment.

(3) Oily water system, salty (alkaline) wastewater system, domestic wastewater system

The oily water system collects the oily water (including oily rainwater) from each plant (unit), and sent to the WWTP oily water treatment system for treatment; the normal capacity of this system is 126t/h. The domestic wastewater system collects the domestic wastewater from each plant (unit), and sent to the WWTP oily water treatment for treatment; the normal capacity of this system is 25t/h.

The normal discharge capacity of oily water and domestic wastewater is 151t/h, the maximum discharge capacity is 201t/h, the treatment capacity is 250t/h; the quality of water from WWTP can satisfy the recycle water standard specified in GB50335-2002 Design Specification for Wastewater Regeneration and Recycling

Engineering: PH 6-9; COD 5mg/ L, petroleum class 3mg/ L, suspending material 3mg/ L, ammonia nitrogen 10mg/ L, salt concentration 200mg/ L; all qualified water is recycled in the plant. The treatment process is as follows:

Figure 1 Treatment process of oily water and domestic wastewater

The salty (alkaline) wastewater system collects the high-salty oily water from each plant (unit), the normal capacity is 155t/h, the maximum capacity is 218t/h, and sent to the WWTP salty wastewater treatment system for treatment, the treatment capacity is 250m^3/h; 108m^3/h of the treated wastewater is recycled to plant, the remaining 48m^3/h is discharged offsite after satisfying the IFC's *Environmental, Health, and Safety Guidelines for Petroleum Refining* with regards to waste water discharge. The treatment process is as follows:

Figure 2 Salty wastewater treatment process flow I (salty/oily water from refinery)

Figure 3 Salty wastewater treatment process flow II (ballast water)

(wastewater recycling R/O concentrated brine)

(4) Clean wastewater system, clean rainwater system

The clean wastewater system collects the clean wastewater from each plant (unit), the normal discharge capacity is 55t/h, maximum discharge capacity is 125t/h; the clean wastewater is sent to the clean rainwater system (open trench for rainwater), and discharged to the onsite rainwater monitoring tank, and then discharged to offsite after satisfying the relevant standard, the off-spec wastewater is returned to WWTP for treatment.

2) Measures for water conservation, emission reduction, wastewater recycling

The recycle wastewater utilization shall be maximized in the design to reduce the fresh water consumption; the WWTP shall be able to treat the wastewater of different quality to maximize the wastewater recycling rate.

(1) The cooling water in heat exchanger of production plant shall be circulating water;

(2) The wastewater from WWTP oily water treatment system is treated in-depth, and recycled as makeup water for circulating water plant, startup and shutdown, plant-wide landscaping, automobile washing and etc.

(3) Most part of treated water from sour water stripping section is recycled as rejection water for crude oil electric desalting, rich gas scrubbing water for catalytic plant, scrubbing water for hydrogenation plant and etc. The unit consumption of foreign refinery is less than 1.0t water/t oil; the unit consumption of advanced refinery has reached 0.5t water/t oil.

The fresh water consumption of this project is 292m^3/h (excluding the water consumption for power generation station, catalytic flue gas desulfurization), the unit consumption is 0.491t water/t oil. The unit discharge capacity of foreign refinery is 0.5t water/t oil, and that for advanced refinery is 0.2t water/t oil. The design water discharge capacity of this project is 48t/h, and the wastewater discharge capacity for crude oil processing is 0.08t water/t oil.

3) Accident water collection and treatment

The WWTP is provided with rainwater monitoring tank and accident wastewater tank to avoid pollution accident.

The plant contaminated area is provided with cofferdam (dike), and the oil product tank is provided with fire dike, and the rainwater switch facilities is provided outside the cofferdam or fire dike, so that the clean wastewater and contaminated wastewater can be separated, and different types of wastewater can be collected and controlled separately.

Under normal production, the initial rainwater within the plant cofferdam (tank farm fire dike) shall be considered as contaminated rainwater, and discharged to oily water system, then sent to WWTP; the later rainwater within the plant cofferdam (tank farm fire dike) and the rainwater outside the plant cofferdam shall be considered as clean rainwater, and collected in onsite rainwater open trench, and sent to rainwater monitor tank. The rainwater discharged outside will be monitored and discharged to the offsite trench adjacent to the project site if it satisfies the relevant standard, or pumped to the WWTP for treatment if the rainwater cannot satisfy the relevant standard, and then sent to offsite after it satisfies the discharge standard.

The leaked liquid material from plant, fire water and rainwater will be collected via the rainwater collection system in case of fire accident, and finally sent to accident water tank; the accident wastewater shall be pumped to WWTP for treatment after accident, and discharged to offsite after the relevant standard is satisfied. The leaked liquid material, fire water and rainwater in the tank farm shall be contained within the

fire dike, and the wastewater shall be discharged to WWTP for treatment or rainwater monitoring tank after accident, and then discharged to offsite.

The plant is provided with one 10000 m^3 rainwater monitoring tank and one 20000 m^3 accident water tank.

Garbage management system

The solid wastes produced in the plant (unit) shall be treated via recovery, comprehensive utilization and landfill according to the property of such solid wastes.

1) Spent catalyst, waste adsorbent (desorbent)

The spent catalyst of the continuous catalytic reforming and isomerization unit and the hydrogenation unit contains precious metal, which shall be recovered by manufacturer.

The spent catalyst, the waste refining agent and the waste porcelain ball that cannot be recovered are separated to common solid wastes or hazardous solid wastes, and sent to landfill plant for landfilling separately.

2) WWTP residue, tank oil sludge

The bottom sludge of WWTP oil skimming tank, the floating slag of floatation tank, the residual active sludge of biochemical tank, the sludge of coagulation settling tank are hazardous wastes, and shall be sent to solid wastes landfill plant for landfilling after oil removing, dehydrated and dried treatment.

The tank cleaning sludge is also hazardous wastes, and shall be sent to solid wastes landfill plant for landfilling.

3) Alkali wastes

The alkali wastes discharged from the product purification unit of this project belongs to hazardous wastes, which shall be deodorized and neutralized, and discharged to WWTP for treatment under flow control.

(4) Power station desulfurization plaster

the main constituent of power station desulfurization plaster is calcium sulfate dihydrate which can be comprehensively used in the production of building material, and as fertilizer for improving soil.

(5) Jetty dredged material

The jetty dredged material is transported to the selected dredged material disposal site, and the reefs are collected for utilization.

No. of volunteers programme

Corporate Social Responsibility

Part of the expected profit of this project will be shared to the benefit of the community， the developer will try to meet the following request of the local residents during stakeholder meetings， the following contributions will be fulfill formulated within the expected budget 2,830,000USD.

The CSR program planned by the project includes the following, and the details are described in the following Table 1:

1. Improving farming conditions(drainage ditches)
2. Improving local medical service conditions
3. Making donations to monasteries
4. Improve education(renovation of 5 schools)
5. Repairing roads
6. Spreading knowledge(donate/build libraries)
7. Constructing public facilities for resettlement village
8. Improving conditions for water and electricity in the nearby villages
9. Increasing job opportunities
10. Assisting the government in improving local agriculture technique
11. Other charity work

Estimated Cost for Corporate Social Responsibility

No.	Contents	Implementation Plan During Construction Period	Investment During Operation Period	Remarks
1	Improve cultivation conditions (ditches for flood water discharge)	Implement the renovation of water resource facilities,phase by phase, in accordance with government planning,land acquisition sequence and labour force input.		Carry out the work step by stepaccording to plan and actual result
2	Improve local medical service conditions	Donate small type medical facility to Launglon Township Hospital and one ambulance.	Provide training for medical personnel according to community medical service conditions	Plan to donate oxygenerator andambulance
3	Donate to monastery	Donate goods and materials to monastery according to demand		Already donated local currency andrice to monks
4	Improve education (repair 5 schools)	1) Renovate according to the survey conducted by investigation group; 2) Step by step, give priority to urgent need	Donate computer or multi-media equipment during operation period	Implement during school vacation
5	Renovate road	1) Firstly leveling, compacting and widening roadbed; 2) Secondly, laying wearproof bedding course; 3) Finally, cementing or asphalt paving for some key section of road.	Invest for road maintenance	
6	Broaden knowledge (donate/build library)	Build library and donate books, step by step,if circumstances permit	Provide training for librarian, assist to informationize library gradually	
7	Invest for public utilities in new resettlement village	Implement according to resettlement plan.	Implement according to resettlement plan.	
8	Improve water, power conditions for peripheral villages	1) Provide water supply according to resettlement planning. 2) Erect power pole, lay electric wire for villages without power supply in accordance with Myanmar government planning and in light of national grid power transmission conditions.	Provide power for peripheral villages in cost price to improve power utilization conditions of illages.	
9	Increase job opportunity	1) Create jobs for villagers after commencement of construction (including construction of resettlement villages and project). The local labour force is given priority in the job creation programme. 2) Provide work-related training such as computer, cooking, etc. for local villagers.	Provide training for local people with certain education background and competence in production operation and management. Reserve managerial, technical and operating personnel.	
10	Assist government to improve local agricultural technique	Establish agricultural technical training workshop with local agriculture department, regularly invite Chinese experts to give training according to local crops categories.	Determine contents and invest money according to survey.	
11	Other charitable activities	“Developer Company” board of directors will determine the investment projects to address the need of local communities and villagers, based on the survey conducted by specially-assigned personnel.	Carry out philanthropic work according to survey results.	
		Total investment for CSR		2,830,000.00 USD

To,

Chairman

Myanmar Investment Commission

The Republic of the Union of Myanmar

Reference No:

Dated: 20 , Month, Day

Subject: **Application of Exemptions and Reliefs for Tax in accordance with the Foreign Investment Law**

I do hereby, as an investor/promoter, apply the exemptions and reliefs of tax mentioned in section 27(b) to (k) of the Chapter XII of the Foreign Investment Law according to the Rule 95:

1. Applicant

(a) Name of Investor/Promoter: ....

(b) Myanmar Investment Commission Permit No. ....

2. Construction Period/ Renovation Period as per original proposal: 【3 years】

3. Commencement date for commercial operation:

Within half of year after the completion date of completion inspection and acceptance

4. Apply for the exemptions and reliefs of Chapter12, Section27 (b) to (k) of Foreign Investment Law as follows:

(a) Exemptions from income tax on profits of the business if they are maintained for re-investment in a reserve fund and re-invested thereinwithin1 year after the reserve is made;

(b) Right to deduct depreciation from the profit, after computing as the rate of deducting depreciation stipulated by the Union, in respect of machinery, equipment, building or other capital assets used in the business for the purpose of income tax assessment;

(c) If the goods produced are exported, relief from income tax to 50 percent on the profits accrued from the said export;

(d) Right to pay income tax on the income of foreigners at the rates applicable to the citizens residing within the Union;

(e) Right to deduct expenses from the assessable income, such expenses incurred in respect of research and development relating to the business which are actually required and are carried out within the Union;

(f) Right to carry forward and set-off the loss up to 3 consecutive years from the year the loss is actually Sustained within 2 years following the enjoyment of exemption or relief from income tax;

(g) Exemption from custom duty and other internal taxes on machinery, equipment, instruments, machinery components, spare parts and materials used in the business, which are imported as they are actually required for use during the period of construction of business;

(h) Exemption from customs duty and other internal taxes on raw materials imported for production for the first three-year after the completion of construction of business;

(i) If the volume of investment is increased with the approval of the Commission and the original investment Business is expanded during the permitted period, exemption from custom duty and other internal taxes on machinery, equipment, instruments, machinery components, spare parts and materials used in the business which are imported as they are actually required for use in the business expanded as such; and

(j) Exemption from commercial tax on the goods produced for export.

5. Apply for the additional exemptions and reliefs as follows:

(a) Income tax exemption for a period of five consecutive years commences from the first profitable tax year after making up the accumulated losses, and extension of such income tax exemption period.

(b) Exemption from customs duty on raw materials imported for production for the whole operation period.

(c) Exemption from withholding tax on interest payments made under non-resident foreigner's loan;

(d) Exemption from withholding tax on payments to non-resident foreigners made under contracts or agreements for procurements and for services render; and

(e) Exemption from withholding tax on payments to resident citizens and resident foreigners made under contracts or agreements for procurements and for services render.

(f) Exemption from withholding tax on dividends paid to resident or non-resident shareholders;

(g) Extension of Exemption from commercial tax on raw materials imported for production after the first three-year after the completion of construction of business;

(h) The Company and/or its Investors are relieved from any capital gains taxes relating to the sale, exchange or transfer of any capital assets and any restructuring or reorganization exercises or transactions within or outside of the union of Myanmar.

(i) The Union of Myanmar ("the Government") hereby undertakes and affirms that at no time shall the rights granted by it be derogated from or otherwise prejudiced by any law or the action or inaction of the Government, or any official thereof, or any other person whose actions or inactions are subject to the control of the Government. To the extent there is inconsistency between the Myanmar Tax Code (or any similar law) and the tax incentives granted to the Project, the latter shall govern. For the avoidance of doubt, after the Effective Date of the tax incentives granted to the Project, any amendments, additions, revisions, modifications or other changes to the Myanmar Tax Code (or any similar Law) applicable to the Project that would have the effect of imposing an additional or higher tax, duty or similar charge shall not be applicable to the Project.

(j) After the Effective Date, any tax incentives granted by the Government to other foreign investment projects in Myanmar that are more preferential shall automatically apply to the Project.

Applicant

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